Prince Edward Island Transportation & Public Works

Annual Report 1999-2000

102-04563/

Prince Edward Island
CANADA

Department of Transportation and Public Works

Annual Report

for the year ending March 31, 2000

Jones Building, 11 Kent Street,
P.O. Box 2000, Charlottetown,
Prince Edward Island, Canada, C1A 7N8
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The Honourable Gilbert R. Clements
Lieutenant Governor of Prince Edward Island

May It Please Your Honour:

I respectfully submit herewith, for the information of Your Honour and the Legislature of Prince Edward Island, the Annual Report of the Department of Transportation and Public Works for the period April 1, 1999 to March 31, 2000.

Respectfully submitted,

Michael F. Currie
Minister

Prince Edward Island
CANADA

The Honourable Michael F. Currie
Minister, Transportation and Public Works
Province of Prince Edward Island

Sir:

I am pleased to submit to you the Annual Report of the Department of Transportation and Public Works for the period April 1, 1998 to March 31, 1999.
The activities of the respective Divisions are recounted in the following pages of the Report.

Respectfully Submitted,

Tom Harland, P.Eng.
Deputy Minister

Mandate:

The mandate of the Prince Edward Island Department of Transportation and Public Works is to contribute to economic development and the quality of life in this province by maintaining and enhancing, in an affordable way, the essential transportation systems and services for the efficient and safe movement of people, goods, and services.

It is also necessary to provide the infrastructure necessary for the efficient conduct of government through services to other government departments in the areas of building construction, crown land management, building maintenance, and accommodations.

Table of Contents

	Page
Departmental Legislation and Mission Statement	1
Departmental Organization	3
Personnel	5
ENVIRONMENTAL MANAGEMENT	
Statement	6
PLANNING DEVELOPMENT AND BUILDING CONSTRUCTION	
Statement	11
FINANCE, HUMAN RESOURCES AND OPERATIONS	
Finance	30
Human Resources	31
Highway Safety Operations	32
Maintenance and accommodations	49
Properties	52
CAPITAL PROJECTS	
Engineer's Report	55
Construction Services	56
Materials and Soils	86
Engineering Services	89
HIGHWAY MAINTENANCE	
Highway Maintenance	100
Bridge Maintenance	154
Mechanical Branch	158
STATEMENT OF EXPENDITURES	**162**

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

MISSION STATEMENT:

The role of the Department of Transportation and Public Works is four- fold:

- To provide high quality and timely policy advice to the Government of Prince Edward Island on all matters related to transportation and public works;

- To provide transportation infrastructure and foster development of a safe, efficient, affordable and environmentally sustainable transportation system for the movement of people and goods;

- To provide quality services to the rest of Government in the areas of building construction, Crown land management, building maintenance, accommodations and telecommunications; and

- To support development of the Prince Edward Island economy.

Clients include transportation users, enforcement agencies, the construction industry, and other Government Departments.

LEGISLATIVE RESPONSIBILITIES:

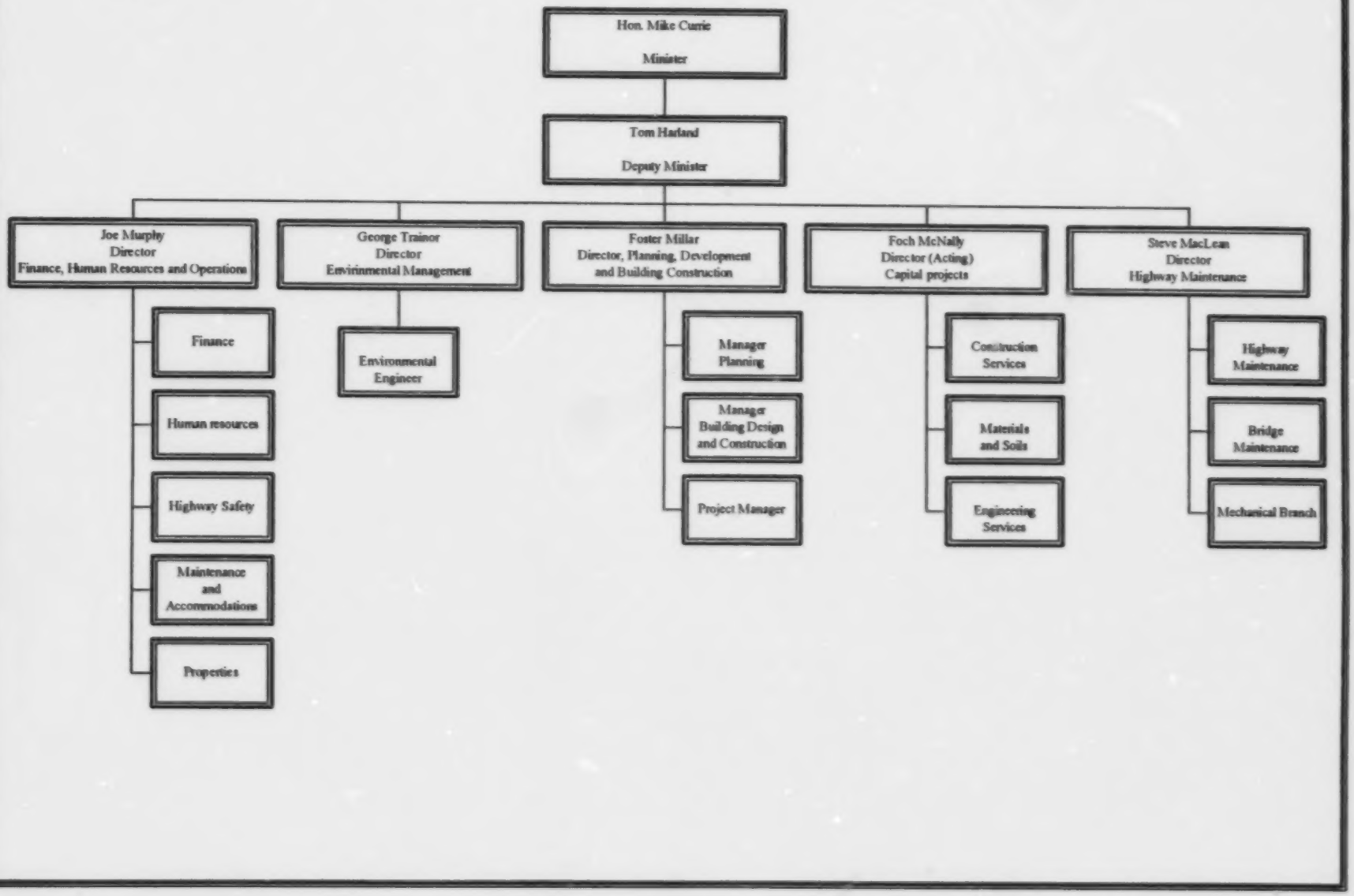
- Architects Act
- Crown Building Corporation Act
- Dangerous Goods (Transportation) Act
- Engineering Profession Act
- Expropriation Act
- Georgetown Common Land Act
- Highway Traffic Act
- Land Survey Act
- Land Surveyor's Act
- Off-Highway Vehicle Act
- Public Works Act
- Roads Act

Note: Departmental Organization

Organizational changes were made in the 1999-2000 fiscal year. These changes are reflected in the Organizational chart on page 4.

The Department is divided into five divisions. Each division is supervised by a Director who reports directly to the Deputy Minister.

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
PROVINCE OF PRINCE EDWARD ISLAND



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Minister	Hon. Mike Currie
Administrative Assistant	Susan Shaw
Deputy Minister	Tom Harland
Administrative Assistant	Nancy MacKinnon
PLANNING DEVELOPMENT AND BUILDING CONSTRUCTION	Foster Millar
ENVIRONMENTAL MANAGEMENT	George Trainor
FINANCE, HUMAN RESOURCES AND OPERATIONS	Joe Murphy
Finance	Robert Clow
Human Resources	Mike Ready
	Charles Thomas
Highway Safety Operations	Wilfred MacDonald
	John MacDonald
Maintenance and Accommodations	Wayne Peters
Properties	Paul Knox
CAPITAL PROJECTS	Foch McNally
Western Region Engineer	Gary McLure
Central Region Engineer	Foch McNally
Eastern Regional Engineer	Matt Collins
Materials and Soils	Terry Kelly
Planning & Design Engineer	Allan(Jake) Bartlett
HIGHWAY MAINTENANCE	Steve MacLean
Highway Maintenance, Western	Mike Berrigan
Highway Maintenance, Central	Gordie Lund
Highway Maintenance, Eastern	Gerard Morrison
Bridge Maintenance	Donnie Blanchard
Mechanical Branch, Western	Bob Fitz
Mechanical Branch, Central	David Clements
Mechanical Branch, Eastern	Gordon Blackett

ENVIRONMENTAL MANAGEMENT DIVISION

Updated Approval Process

The Environmental Management Division continued to build upon its mandate to develop and implement an Environmental Management Plan that supports the preparation of environmental impact assessment for construction and maintenance projects carried out within our highway rights-of-way by Department staff.

In 1999-2000, to enhance the approval process, Blanket Approvals were introduced. Generally, a Blanket Approval provides authorization for multiple projects of the same activity-type to be completed under a single, county-based Blanket Approval.

Project Approvals

The Division staff processed 425 Environmental Assessments/Project Approvals during the 1999/2000 Fiscal Year. Typically, each Approval involves a preconstructing project site inspection, allocation of job-specific Conditions-of-Approval, processing the Approval-to-Proceed, and follow-up environmental compliance inspections on each individual project. A regional breakdown of these 425 Project Approvals is provided in the table below. A total of 128 Approvals were issued for Prince County, 145 Approvals for the Queens County, and 152 Approvals for the Kings County.

ENVIRONMENTAL MANAGEMENT DIVISION PROJECT APPROVALS
(Includes Watercourse Alteration Permits)

COUNTY	APPROVALS	RENEWALS	TOTAL
Prince	122	6	128
Queens	139	6	145
Kings	144	8	152
Total number of approvals issued for 1999/2000			425

Four types of Approvals exist:

- EMD Approval (no Watercourse Alteration Permit);
- EMD Approval with an accompanying EMD Watercourse Alteration Permit;
- EMD Approval with an accompanying Watercourse Alteration Permit issued by Provincial Fisheries, Aquaculture and Environment; and
- Blanket Approvals for specific TPW activities that have "predictable" environmental effects and "standardized" Conditions-of-Approval.

The number of Approvals issued for each of these four Approval types is presented below.

County	Blanket Approval	EMD Approval (only)	EMD Approval & EMD Permit	EMD Approval & DTE Permit	Total
Prince	13	47	39	29	128
Queens	16	75	31	23	145
Kings	11	58	41	42	152
Province	40	180	111	94	425

Blanket Approvals

In 1999-2000, 40 Blanket Approvals were issued. Thirty of these Approvals were for routine highway work, one for Emergency Approvals necessitated by a severe wind and rain storm in Prince County last fall, and nine were for utilities (Maritime Electric, Island Tel, etc.)

Under the 31 Blanket Approvals issued for highway projects, another 424 projects were completed. The summary of projects completed under this Approval Process is shown in the following table:

1999 Blanket Approvals Summary

Blanket Approval Type	Number of Projects Completed Under Approval			Province Wide Total
	Kings County	Queens County	Prince County	
Millings Placement	47	29	35	111
Road Bumps	0	3	0	3
Shore Access	20	0	9	29
Maintenance of Environmental Controls (including check dams)	50	2	31	83
Guardrail Reinstatement (with shoulder work)	4	4	9	17
Confederation Trail	8	2	8	18
Timber Pile	3	2	5	10
Gradall Ditching	26	13	78	117
Emergency Storm Blanket	n/a	n/a	36	36
Totals	158	55	211	424

Definitions

Definitions for the various Blanket Approval Types are provided below:

Millings - refers to millings typically placed at sags of roads adjacent to watercourses to reduce the amount of silt runoff. The millings reinforce the road, avoid rutting especially from spring traffic and reduce the amount of exposed soil.

Road Bumps - normally constructed on unpaved roads at the sag of a road crest to force runoff water from the road to leave the road before it reaches a watercourse.

Shore Access - refers to routine maintenance that is necessary to maintain the access roads to the shore for fishers, in particular.

Environmental Removal & Maintenance Control - refers to the removal of environmental structures that have served their purpose, and work necessary to keep these structures in good working condition.

Check Dam - refers to a low fixed structure constructed of hay bales, timber or loose rock to control water flow in an erodible channel or ditch.

Guardrail Reinstatement (with shoulder work) - refers to work necessary to repair the guardrail components, or, in the case where the shoulder needs repair to remove guardrail, repair the shoulder and replace the guardrail.

Gradall Ditching - includes all ditching work done by a smooth cutting ditching bucket as approved, to a cutting bucket with teeth.

Confederation Trail Work - refers to maintenance required to maintain the surface of the trail. It includes work such as the placement of surface material and the cutting of brush.

Emergency Storm Blanket - refers to a Blanket Approval issued to repair a number of roads and structures that were damaged by a late fall storm in 1999.

Training

Environmental education and training sessions were again provided to Department staff, contractors and consultants. A new application process was introduced. Consultants, municipalities and utilities were advised that Application for Approvals were required for all work that was being planned for within our rights-of-way.

Other Services

The Environmental Management Division provided environmental services for several public projects, including:

- a continuation of chairing an Intergovernmental Committee on the proposed Summerside West End Project;
- participation on the Agricultural Runoff Committee that was set up in response to fish kills that the Province experienced in 1999;
- participation on a committee developing a Terms of Reference for a Modelling Study for the eutrophication problems of the Mill River Estuary;
- chairing of the Mill River Watershed Round Table Committee that will be responsible for the awarding and management of the contractor selected to carry out the study; and
- assisting Watershed Groups in the development of environmental restoration programs and environmental solutions to problems related to our highway infrastructure.

In the latter, the Department of Transportation and Public Works was able to address 22 specific environmental concerns that were identified by the Province's watershed groups (WHIP) and two hanging culvert problems that were making fish passage impassible.

PLANNING, DEVELOPMENT & BUILDING CONSTRUCTION DIVISION

The Division is responsible for the assessment and analysis of long term transportation requirements within the Province, combined with planning and implementation of major projects initiated by various departments, agencies, corporations and committees. The Division is also responsible for the planning, design and construction of capital projects related to building construction and major repairs or renovations for the Department as well as client departments and agencies.

General activities and specific projects undertaken by each section are summarized as follows:

PLANNING

The Planning section is responsible for providing professional engineering support and direction in the area of strategic and functional highway planning, preliminary design options, preparation and review of traffic studies; to provide project management support and supervision of special projects relating to transportation planning, design and highway construction; and to represent the department during the planning and implementation of infrastructure development projects on behalf of municipalities and community development groups.

The following is a list of projects that the planning section was involved with:

Intelligent Transportation System, (ITS)

In December 1998, the Department established a working group between representatives from the Planning Section and ITS industry experts to investigated the application of Intelligent Transportation Systems (ITS) as well as potential funding sources, that are appropriate for deployment on PEI which would improve safety and efficiency of the provincial transportation network;

Originally, the focus was on three specific ITS initiatives; Traffic Signal Control System to encompass the greater Charlottetown Area, Road Weather Information Systems, (RWIS) and improved Fleet Management technologies for the Department's highway maintenance vehicle fleets, with possible expansion into the school bus fleet management.

Traffic Signal Control System

In December of 1999, Phase I of this initiative was completed. This included the widening of all intersections along the Charlottetown Perimeter Highway in an effort to provide for two thru lanes in each direction. The reconstruction of these intersections allowed the implementation of time-based signal coordination along the entire section of highway. Phase II of this project, outlines a similar reconstruction of signalized intersection along University Avenue, again in order to implement time-based signal coordination, in an effort to improve the progression of thru traffic along this major traffic collector. It is anticipated that the implementation of Phase III will be the integration of the entire signalized network, in and around the greater Charlottetown Area, to be integrated into a fully adaptive signalized system.

Road Weather Information System (RWIS)

In November of 1999, installation of two Lufft weather stations in traditionally troublesome winter weather maintenance areas (Bonshaw on Rte 1 and just east of Kensington on Rte 2) was completed. It is anticipated that if these weather stations perform as expected, the information collected will be used to assist maintenance staff in the efficient planning and deployment of maintenance activities. An additional six to ten stations are planned for installation in the upcoming year.

Investigation is ongoing for potential ITS application in Fleet Management.

Charlottetown Perimeter Highway, Western Extension

In January of 1998, The Minister of Transportation and Public Works announced a major new highway construction project that will see an extension of the existing Charlottetown Perimeter Highway that will extend westwardly to bypass the Town of Cornwall and eventually connect to the TCH. During 1999, the Department's property agents where actively meeting with local residents and property owners in an effort to purchase the required right of way; subsequently, the Planning section was able to finalize preliminary alignment options.

Community Development Projects

The Department provided planning advice to a number of Community development groups interested in developing an attraction in their area and to Town Councils related to access concerns and intersection realignment associated with proposed major commercial developments. Projects included:

MacLures Dam Project in Murray River;
St. Peter's Intersection Redesign;
St. Peter's Pond Dredging Project;
Wood Islands Development Project;
Montague Main Street Commercial Developments; and
Stratford/ Kinlock Road Intersection Redesign

Climate Change and the Kyoto Protocol

The PEI Department of Transportation & Public Works is actively participating in the Federal-Provincial Working Group's Climate Change discussions. Our Department aims to assist in the effort to achieve the greenhouse gas (GHG) reduction goal, while ensuring that chosen measures for reducing GHG emissions do not seriously hinder our transportation-dependant economy.

Under the Kyoto Protocol, Canada, along with other developed countries, has agreed to reduce its emissions of greenhouse gases (GHG) by 6% from 1990 levels during a five-year period from 2008 to 2012. Transportation is the single, largest source of GHG in Canada, accounting for 25% of the national total in 1997.

DEVELOPMENT

Staff from the Division have been assigned to various projects, including Community related projects as well as major projects under the direct control of other Departments and clients.

Ongoing development related projects that continue to involve the Director and Division staff include:

- o Provincial Sports Facilities
- o Prince County Court House & Correctional Centre
- o New East Prince Health Facility
- o Holland College Facilities

BUILDING DESIGN AND CONSTRUCTION

The section is responsible for completing the planning, design, tendering, construction inspection and contract administration associated with building construction and repair projects for Transportation & Public Works, and clients including Education, Health and the Liquor Control Commission.

Planning and design is either performed by staff or private consultants, engaged for a project, and supervised by the staff, and includes the following:

- o evaluation of existing buildings;
- o development of concept plans;
- o preparation of cost estimates;
- o preparation of working drawings and specifications required to obtain tenders;
- o receipt of tenders and preparation of construction contracts; and
- o indoor air quality investigations.

Design was completed and tenders received for the projects listed in the Schedule of Building Construction Tenders.

In addition, planning and design was underway for the following projects; to be tendered in the future:

Mount Stewart Consolidated School Flooring
Summerside Intermediate School - Phase I
PEI Home Nurses Residence Window Blinds
Montague Regional High School - Roofing
Prince Street School - Window Replacement
Bluefield High School - HVAC Upgrade
Bluefield High School - Storage Shed
M.E. Callaghan Junior High School Flooring
M.E. Callaghan Junior High School Exterior Metal Siding
Sulivan Building - 5th Floor - Lab Counters & Fume Hoods
Rollo Bay Consolidated School - Window Replacement
Ecole Evangeline - Flooring Replacement
Westisle School - Industrial Dust Collection
Tignish Liquor Store - Interior Renovation
Bluefield High School - PA and AV Systems Upgrade
St. Louis Elementary School - Roofing Repair
Amherst Cove School - Flooring Replacement

Construction supervision, inspection and contract administration was provided for the following projects during the year:

West Royalty Elementary School
Souris Consolidated School Siding
St. Peters Elementary School Window Replacement
3 Oaks High School Roofing
Tignish School Flooring Replacement
Morell Consolidated School roofing
Queen Elizabeth School Renovation
Wellington Liquor Store Renovations
Charlottetown Mall Liquor Store Renovations
University Avenue Liquor Store Renovations
Rustico Liquor Store Renovations
Sherbrooke Liquor Store Renovations
Waterfront Mall Liquor Renovations
Western School Board Bus Repair Depot Ventilation Upgrade
Tracadie Cross School Window Replacement
Souris High School Wall Modifications
Province House Annex Brick Cleaning, Repointing and Window Replacement
Southern Kings and Queens Regional Services Centre Air Conditioning System
Kensington Railyard Sign
Eliot River Elementary School Flooring Replacement
L.M. Montgomery School Flooring Replacement
East Wiltshire Intermediate School Industrial Arts Ventilation
St. Jean Elementary School - Exterior Pilaster Replacement
Kensington Intermediate High School - Masonry Corner and Window Sill Repair
Provincial Addictions Treatment Facility
Bluefield High School Site Work
Bluefield High School Addition Phase 1
3 Oaks High School Student Parking
Bloomfield Elementary School Boiler Replacement
Westisle High School Industrial Arts Ventilation
Ellerslie Elementary School - Sewage Treatment Plant Upgrade
Fort Augustus School - New Tile Field
Rollo Bay School - Parking lot
Mount Stewart School - Parking Lot
Bluefield High School - Sewage Lagoon Reconstruction
Riverview Manor Sprinkler Tank
Wedgewood Manor Re-roofing
Prince Edward Home Parking Lot
Southern Kings Health Senior Citizen Housing Window Replacement
O'Leary Community Hospital - Boiler Room Renovations
Eastern Kings Senior Citizens Housing - Window Replacement
Bridgetown Maintenance Garage - Parts Department Roof
Summerside "M" Building Siding and Window replacement
Beach Grove Home - Driveway Paving
Beach Grove Home - Partial Roof Repair

Queen Elizabeth Hospital - Parking Lot Paving
West Prince Health Senior Housing Window Replacement
Colville Manor - Roofing
Prince Edward Home - Nurses Residence Renovation
Prince Edward Home - Roof repair
Rollo Bay Seniors - Ventilation
Riverview Manor - Window Replacement
St. Martha's Healthy Living Centre - Access Ramp
St. Martha's Healthy Living - Fire Protection
Southern Kings and Queens Regional Services Centre - Interior Renovations
West Prince Regional Services Centre - Roofing
Liquor Control Commission Warehouse - Exterior Sign
Stewart Memorial Hospital - Sprinkler System
Borden "B" Building - Vinyl Siding
Group Home St. Peters Road - Sprinkler Upgrade
Kings County Memorial Hospital - Overhead Doors
Souris Hospital Painting

Tenders were received during the year for the following projects:

SCHEDULE OF CONSTRUCTION TENDERS RECEIVED

West Royalty Elementary School - April 1, 1999

Schurman Construction Ltd.	$4,898,900.00
Fitzgerald & Snow	5,027,000.00
Southern Kings	5,240,000.00

Souris High - Siding - April 7, 1999

MacLean Construction	$26,076.00
WM & M (1993) Ltd.	27,700.00
Cheverie Construction	29,141.00
Lyn Gor Developments	31,400.00
Schurman Construction Ltd.	37,700.00

St. Peters - Windows - April 7, 1999

Gill Construction Inc.	$86,500.00
WM & M (1993) Ltd.	89,500.00
Schurman Construction Ltd.	92,900.00
Cheverie Construction	93,872.00
Brumac Construction	96,870.00
Lyn Gor Developments	98,400.00

3 Oaks Senior High - Roofing - April 7, 1999

Dominion Roofing	$26,168.00
Atlantic Roofers	29,895.00
Ashe Roofing	31,500.00

Tignish - Flooring - April 7, 1999

Alton Hardy & Son	$22,820.00
Deans Flooring	24,275.00
Instal a Floor	36,063.00
Lyn Gor Developments	44,300.00

Morell Consolidated School - Roofing - April 29, 1999

Ashe Roofing	$59,600.00
Atlantic Roofers	61,300.00
Dominion Roofing	65,400.00

Queen Elizabeth Elementary School Renovation - April 29, 1999

G.I.A. Limited	$114,900.00
W.J. Enterprises	124,924.00
MacLean Construction	132,267.00
WM & M (1993) Ltd.	133,573.00
Gill Construction	134,000.00
Star Construction	141,800.00
Wellington Construction	141,900.00
Fitzgerald & Snow	144,850.00
Kasco Construction	150,000.00

Wellington Liquor Store - Renovations - April 29, 1999

Wellington Construction	$16,892.00
Maddix Construction	17,000.00
Star Construction	19,350.00
Bayside Woodworking	19,350.00

Charlottetown Mall Liquor Store - Renovations - April 29, 1999

MacLean Construction	$11,458.00
WM & M (1993) Ltd.	12,400.00
Schurman Construction Ltd.	16,900.00

Western School Board Bus Repair Depot - Ventilation Upgrade - May 13, 1999

Sherbrooke Mechanical	$12,898.00
Gavin Gill Inc.	15,100.00
Poirier Heating & Cooling Inc.	16,846.00
MacIntyre Sheet Metal	17,980.00

Tracadie Cross School Window Replacement - May 13, 1999

WM & M (1993) Ltd.	$25,600.00
Gill Construction	27,500.00
Schurman Construction	31,600.00
MacLean Construction	48,311.00

Rustico Liquor Store - Cash Counters - May 14, 1999

Schurman Construction	$7,995.00
Gill Construction	9,200.00
MacLean Construction	10,564.00
WM & M (1993) Ltd.	12,660.00
Star Construction	14,000.00

Waterfront Mall Liquor Store Renovations - May 14, 1999

WM & M (1993) Ltd.	$14,940.00
Maddix Construction	19,537.00
Star Construction	20,400.00
Wellington Construction	21,850.00

Rustico Liquor Store - Parking Lot - May 14, 1999

Dennis Construction	$9,250.00
Island Coastal	14,195.00
Toombs Construction	19,235.00
Birt & MacKay Ltd.	24,143.00

Georgetown Elementary School Siding & Windows - May 27, 1999

MacLean Construction	$86,166.00
WM & M (1993) Ltd.	96,700.00
T.Gill Construction	98,400.00
Schurman Construction	99,950.00
B. Clinton Construction	105,428.00
Lyn Gor Developments	119,400.00

Sherbrooke Liquor Store Renovation - June 4, 1999

WM & M (1993) Ltd.	$15,595.00
Wellington Construction	19,190.00
Star Construction	19,500.00
Maddix Construction	19,795.00

Prince Street School Window Replacement - June 10, 1999

Gill Construction Inc.	$88,600.00
WM & M (1993) Ltd.	89,600.00
MacLean Construction	89,982.00

Souris High School - Wall Modifications - June 15, 1999

WM & M (1993) Ltd.	$12,380.00
B. Clinton Construction	14,990.00
MacLean Construction	20,920.00

Province House Annes (Former Union Bank) Brick Cleaning, Repointing, Window Replacement - June 15, 1999

M.B.S. Construction	$204,000.00
R & G Masonry	214,100.00
Rob Roy Builders Inc.	217,000.00
M.C.M. Bricklayers	218,800.00

Southern Kings & Queen Regional Services Centre Air Conditioning System - June 23, 1999

J & S Sheet Metal	$87,700.00
MacIntyre Sheet Metal	88,240.00
Richards Mechanical	95,900.00
Belmont Sheet Metal	106,850.00

Kensington Railyard Sign - June 24, 1999

Schurman Construction	$9,387.00
Star Construction	9,630.00
WM & M (1993) Ltd.	9,916.00
Maddix Construction	11,600.00

Eliot River Elementary Flooring - June 25, 1999

Dean's Flooring	$45,415.00
Tile Master Inc.	59,000.00

L.M. Montgomery Elementary - Flooring June 30, 1999

Loyalist Marble & Tile	$30,700.00
Dean's Flooring	34,850.00
Tile Master Inc.	36,000.00

East Wiltshire Intermediate School Industrial Arts Ventilation - June 30, 1999

Gavin Gill Inc.	$8,675.00
J & S Sheet Metal Ltd.	9,600.00
Sherbrooke Mechanical	9,850.00
MacIntyre Sheet Metal	10,380.00
Bevan Bros. Ltd.	11,900.00

St. Jean Elementary School - Exterior Pilaster Works - July 13, 1999

WM & M (1993) Ltd.	$88,000.00
Schurman Construction	149,200.00
Highfield Construction	156,259.00

Kensington Intermediate High School - Masonry Corner & Window Sill Repair - July 13, 1999

R & G Masonry	$34,100.00

Provincial Addictions Treatment Facility - July 15, 1999

Schurman Construction	$2,339,800.00
Southern Kings Construction	2,386,300.00
Fitzgerald & Snow Ltd.	2,467,000.00

Bluefield Senior High School - Site Work - July 13, 1999

Curran & Briggs	$63,890.20
Island Coastal Services	67,275.00
Crosby Construction Ltd.	67,421.00
WM & M (1993) Ltd.	78,000.00

3 Oaks High School - Student Parking - July 22, 1999

Curran & Briggs	$198,996.00

Bluefield High School - Addition - August 5, 1999

Schurman Construction Ltd.	$1,282,600.00
Fitzgerald & Snow Ltd.	1,298,000.00
MacLean Construction	1,332,000.00
B & S Construction Ltd.	1,465,800.00

Bloomfield Elementary School - Boiler Replacement - August 6, 1999

MacIntyre Sheet Metal	$45,383.00
Ben Livingston & Sons	47,900.00
Inman Plumbing & Heating	61,785.00
Precision Mechanical Inc.	61,900.00

Westisle High School Industrial Arts Ventilation - August 10, 1999

MacIntyre Sheet Metal	$26,745.00
Sherbrooke Mechanical	27,213.00
Gavin Gill Inc.	27,360.00

Ellerslie Elementary School - Sewage Treatment Plant Upgrade - August 12, 1999

Toombs Plumbing & Heating	$41,672.00
Inman Plumbing & Heating	43,742.00

Fort Augustus School - New Tile Field - August 20 1999

Douglas Moore Ltd.	$5,540.00
Thompson's Septic Tank	6,149.00
Duffy Backhoeing	7,200.00
Birt & MacKay Backhoe	8,009.68
Greg Macdonald Ltd.	8,575.00
Toombs Plumbing & Heating	9,435.00

Rollo Bay School - Parking Lot - August 27, 1999

Chapman Bros. Construction	$10,000.00
Island Construction Ltd.	14,250.00

Mount Stewart - Parking Lot - August 27, 1999

Island Construction Ltd.	$35,495.00
Dennis Construction	53,987.00

Bluefield High School - Lagoon Reconstruction - August 30, 1999

Toombs Plumbing & Heating	$45,655.00
Island Coastal	107,292.00
Curran & Briggs	139,999.00

University Avenue Liquor Store - Renovations - September 8, 1999

MacLean Construction	$ 992,000.00
Schurman Construction	1,012,000.00
WM & M (1993) Ltd.	1,026,900.00
Star Construction	1,041,000.00

Riverview Manor Sprinkler Tank - September 10, 1999

Island Sand Blasting	$ 6,200.00
Moon Dust Sandblasting	20,402.00

Wedgewood Manor - Roofing - September 23, 1999

Doucette's Home Imprevements	$14,975.00
Atlantic Roofers	17,765.00

Prince Edward Home - Parking Lot - September 24, 1999

Pauley Construction	$51,870.00
WM & M (1993) Ltd.	69,000.00

Southern Kings Health Senior Housing - Window Replacement - September 24, 1999

Val Bradley	$21,800.00
Kevin Whiteway	23,537.35
J.F. Carpentry	26,435.52
Jerry's Carpentry	28,000.00

O'Leary Community Hospital - Boiler Room Renovations - September 28, 1999

MacIntyre Sheet Metal	$14,450.00
Blair LaPierre	16,724.00
Precision Mechanical	18,490.00
Inman Plumbing & Heating	18,875.00

Eastern Kings Health Senior Housing - Window Replacement - September 30, 1999

Malone Construction Ltd.	$20,779.61
B. Clinton Construction	22,895.35
Boo's Home Improvements	26,074.29

Bridgetown Maintenance Garage - Parts Department Roof - September 30, 1999

B. Clinton Construction	$17,137.00
MacLeod Construction	17,339.00
Gill Construction Ltd.	19,950.00

Summerside "M" Building - Vinyl Siding & Vinyl Windows - October 1, 1999

T & K Home Improvements	$39,980.00
Moase Siding	47,500.00
Doucette Insultators	49,695.00
Keir MacLeod	49,700.00
Star Construction	56,000.00
Lyn Gor Developments	64,400.00

Beach Grove Home - Driveway Paving - October 1, 1999

WM & M (1993) Ltd.	$16,400.00
Island Coastal	17,000.00
Birt & MacKay Ltd.	32,205.00

Queen Elizabeth Hospital Parking Lot - Paving - October 1, 1999

Pauley Paving	$36,267.00
Island Construction	89,900.00

Rustico Liquor Store - Addition - October 4, 1999

WM & M (1993) Ltd.	$303,000.00
Tom Gill Construction	303,500.00
Schurman Construction Ltd.	307,900.00
Star Construction	308,000.00
MacLean Construction	315,000.00

West Prince Health Senior Housing Window Replacement - October 15, 1999

Harper Construction	$23,780.00
Bayside Wood Products	24,700.00

Colville Manor Senior Housing - Roofing - October 27, 1999

Atlantic Roofers	$35,800.00
B. Clinton Construction	44,485.00

Prince Edward Home Nurses Residence - Renovation - October 29, 1999

Star Construction	$833,500.00
Schurman Construction Ltd.	849,800.00
WM & M (1993) Ltd.	908,300.00
MacLean Construction	976,700.00

Prince Edward Home - Roof Repair - November 1, 1999

Dominion Roofing	$ 7,226.76
Ashe Roofing	11,500.00

Rollo Bay Seniors - Ventilation - November 1, 1999

Richards Mechanical	$18,500.00
J & S Sheet Metal	18,900.00
MacIntyre Sheet Metal	18,982.00
Gavin Gill Inc.	20,985.00

Beach Grove Home - Partial Roof Repair - November 15, 1999

Alternative Building Products	$37,595.00
Ashe Roofing Ltd.	37,800.00
Atlantic Roofers Ltd.	43,587.00
Dominion Roofing Ltd.	43,900.00
Lyn Gor Developments	64,790.00

Riverview Manor - Window Replacement - November 16, 1999

Schurman Construction Ltd.	$47,400.00
MacLean Construction	51,900.00
Lyn Gor Developments	52,336.00
Southern Kings Construction	53,200.00

St. Martha's Healthy Living Centre - Access Ramp - November 18, 1999

Bayside Wood Products	$17,303.00

Southern Kings & Queens Regional Services Centre - Interior Renovation - November 18, 1999

MacLeod Construction	$119,400.00
Lyn Gor Developments	119,440.00
MacLean Construction	124,970.00
WM & M (1993) Ltd.	128,733.00
Southern Kings Construction	129,200.00
Schurman Construction Ltd.	131,850.00

West Prince Regional Services Centre - Roofing - November 25, 1999

Atlantic Roofing	$41,597.00
Ashe Roofing	43,400.00
Dominion roofing	70,343.00

Liquor Control Commission - Exterior Site Sign - Warehouse - November 26, 1999

WM & M (1993) Ltd.	$7,600.00
Schurman Construction Ltd.	9,295.00
MacLean Construction	10,125.00

Stewart Memorial Hospital - Sprinkler System - November 30, 1999

Island Sprinkler	$49,325.00
Barley Sprinkler	59,947.00
B & G Sprinkler	88,200.00

Borden "B" Building Senior Housing - Vinyl Siding - November 30, 1999

Doucette's Insultators	$15,775.00
Bayside Wood Products	19,400.00

Group Home Upgrading St. Peters Road, Charlottetown - December 7, 1999

WM & M (1993) Ltd.	$33,000.00
Schurman Construction Ltd.	42,217.00

St. Martha's Healthy Living - Fire Protection - December 16, 1999

Gaudet Electrical Services	$21,412.00
Prince Electric	22,854.00
O'Halloran Electric	29,617.00

Kings County Memorial Hospital - Overhead Doors - December 16, 1999

D.L. Reid Ltd.	$6,485.00
Coles Door systems Ltd.	7,216.00

Queen Elizabeth Hospital - Flooring - December 21, 1999

Deans Flooring	$118,345.00
Tile Master	134,000.00
Lyn Gor Developments	142,197.00
Floor Works	154,359.00
FRS Flooring	161,350.00
Wackey Wheatlys	246,086.72

Prince County Hospital - Emergency Sliding Door - January 11, 2000

G.E. Siliker & Sons Ltd.	$11,415.00

Summerside "M" Building - Smoke Containment - January 20, 2000

Bayside Wood Products	$4,550.00
Doucette's Insulators	6,877.00

Western Hospital Smoke Room Ventilation - January 21, 2000

Sherbrooke Mechanical Inc.	$4,896.00

Hillsboro Hospital - Flooring - January 27, 2000

Tile Master Inc.	$33,800.00
Floor Works	35,196.73
Lyn Gor Developments	52,335.00
Install-a-Floor Limited	60,688.00

Souris Hospital Painting - January 28, 2000

Travis Wakelin	$18,736.34
Carlen Enterprises Ltd.	27,249.00
Hal Jamieson	34,576.00

Montague Office Complex - Renovation - February 10, 2000

MacLeod Construction	$33,587.00
WM & M (1993) Ltd.	34,734.00
KMD Construction	37,450.00
MacLean Construction	38,300.00

West Prince Regional Services Centre - Renovation - February 10, 2000

Schurman Construction	$154,784.00
Perry Construction	156,000.00
WM & M (1993) Ltd.	156,250.00
Wellington Construction	177,000.00
MacLean Construction	178,950.00
Red Wing Construction	192,700.00

East Prince Health - Flooring - February 24, 2000

Town'n Country	$20,394.00
Deans Flooring	20,540.00

Stewart Memorial Hospital - Sprinkler/Oxygen Building - February 24, 2000

Craig Construction	$28,775.00
Wellington Construction	32,900.00

Summerset Manor - DHW Upgrade - February 24, 2000

Ron's Plumbing & Heating	$27,173.00
Inman Plumbing & Heating	42,675.00
George Smith & Son Plumbing & Heating	42,861.00

Hemlock Court Seniors Housing - Flooring - March 14, 2000

Wackey Wheatley's	$20,997.00

East Prince Hospital Site Development - March 21, 2000

Island Coastal Services Ltd.	$164,418.75
Duffy Construction	177,175.00
Island Excavators (1985) Ltd.	179,266.93
AJL Limited	183,130.00
Birt & MacKay Backhoe Services Ltd.	264,584.00
Curran & Briggs Ltd.	283,400.00
Northern Enterprises Ltd.	326,520.01

Stratford Liquor Store Walk-In Cooler Renovation - March 23, 2000

MacLeod Construction	$62,792.00
WM & M (1993) Ltd.	68,730.00
Schurman Construction	71,900.00
MacLean Construction	72,539.00
KMD Construction	74,450.00
Brumac	77,780.00

Western Hospital Pharmacy Renovation - March 23, 2000

Schurman Construction	$25,120.00
WM & M (1993) Ltd.	29,300.00
Lyn Gor Developments	35,440.00

FINANCE, HUMAN RESOURCES AND OPERATIONS DIVISION

The Finance, Human Resources and Operations Division is responsible for the financial and personnel services of the Department as well as Highway Safety Operations, Building Maintenance and Accommodations Operations and Properties Section.The responsibility of this division is to provide staff with accessible, accurate and timely on-line information on all matters relating to Administration, Finance, Human Resources and Information Systems and to facilitate payments for goods and services. The Highway Safety Operations' responsibility is to promote safe conditions for highway users, issue drivers licences and registrations for vehicles and administer Highway Traffic Act, Off Highway Vehicle Act, Roads Act and Transportation of Dangerous Goods Act. The Building Maintenance and Accommodations Section is responsible for operating and maintaining Government buildings. The Properties Sections is responsible for managing Provincial Lands to their best potential use.

Finance Section

The Finance Section is responsible for the financial services of the Department. This includes the preparation of the annual budget, budget control, departmental accounting, purchasing, inventory control, and other related administrative support functions.

A detailed summary of Ordinary and Capital Expenditures for the year ending March 31,2000, follows at the end of this Annual Report.

Human Resources Section

The Human Resources Section is responsible for the planning and administration of the Department's Human Resources and Information Technology initiatives.

The work of the section includes the following:

-Personnel and Payroll Services
-Departmental Training Administration
-Organizational Development
-Seasonal and Permanent Staffing
-Position Classification
-Collective Bargaining and Contract Interpretation
-Management Consultation
-Management of the Department's hardware and software technologies

During the year the following activities took place:

Human Resources

-On going staff training

-Out of three hundred and six (306) casual positions that were identified for conversion to the classified division two hundred (200)were converted with one hundred and six (106) left to be converted.

HIGHWAY SAFETY OPERATIONS

Highway Safety operates offices in Summerside (Access PEI), and provides driver testing and driver improvement services to Alberton and Montague. The main branch office is located in Charlottetown which provides the general administration, safety programs and registration functions for the Department.

The overall objective is to promote and enforce safe conditions for highway users, issue driver's licenses, provide registration for vehicles and drivers, and to support the Minister of Transportation and Public Works in the administration of the ***Highway Traffic Act***, ***Off-Highway Vehicle Act***, ***Roads Act***, and the ***Transportation of Dangerous Goods Act***.

The following Sections are tasked with the responsibilities of carrying out the objectives of Highway Safety:

Driver Records Systems Development and Support
CAVR (Canadian Agreement Vehicle Registration)
Registration and Licensing (Legislation and Policy Development)
Commercial Vehicle Enforcement
Highway Safety is managed by a Director and two senior Managers.

Records Section

The Records Section maintains records on all drivers and carriers with convictions for motor vehicle related offences throughout Canada and who are scheduled for counselling activity, such as an interview or a re-examination. The Records Management System (RMS) is one of the key programs used by this Section and is designed to efficiently and effectively maintain driving records to meet the needs for managing drivers and carriers. There were approximately 13,000 motor vehicle related convictions in 1999.

This section maintains a close working relationship with all law enforcement agencies throughout the Province along with various other government departments, in particular, the Office of the Attorney General. It deals mainly with the **Highway Traffic Act** and the **Maintenance Enforcement Act.**

Driver Abstracts (a driver's record) are provided through the Records Section. This service is available to insurance companies, law enforcement, the legal community or an individual.

The Records Section is responsible for the evaluation, preparation and processing of all **Highway Traffic Act** and driver related **Criminal Code of Canada** convictions. A summary of the major activities is shown below with the 1998-99 figures displayed for comparison purposes.

Driver License Suspensions and Cancellations	1998- 99	1999- 00
Section 253(a) Criminal Code (Impaired Driving)	85	67
Section 253(b) Criminal Code (Failing the Breathalyser)	277	309
Section 254(5) Criminal Code (Refusal of the Breathalyser)	79	75
TOTAL ALCOHOL RELATED CONVICTIONS	**441**	**451**
Administrative Driving Prohibitions (Revoked from July 1999 to March 2000 due to update of Regulations.)	339	129
Vehicle Impoundments	5	7
Demerit Point System (Point Accumulation)	389	438
Theft of a Motor Vehicle	23	18
Default in Payment of Fine(s) (Motor vehicle related offences)	1,603	1,165
Failure to Satisfy a Judgment (Accident with an uninsured vehicle)	4	4
Reinstatement of driving privileges from suspension/cancellation	1,629	1,474
Number of Warning Letters Issued (Point Accumulation)	1,582	1,516
Number of Driving Record Interviews Issued (Point Accumulation)	335	316

Drivers required to undergo a re-examination for various reasons (Requests from Law Enforcement, Medical Practitioners, Etc.)	1998 - 99	1999 - 00
Medical Referrals Issued	123	147
Vision Referrals Issued	24	34
Driving Re-Examination Conducted	141	178
Driving Record Interviews	35	43
Restricted Driver Licenses Issued	42	29
Requests for Abstracts of Driving Records from Insurance Companies and Individuals The fee for an Abstract is $15.00.	28,220	35,267

Systems

Highway Safety have the following computer applications which statistical information can be generated from.

- Driver Vehicle System (DVS)
- Single Application Vehicle Registration (CAVR Program)
- Records Management System (RMS)
- Collision and Accident Reporting System (CARS)
- Inter-Provincial Records Exchange System (IRE)
- Telephone Vehicle Registration System (TVRS)
- Photo Imaging System

Canadian Agreement on Vehicle Registration (CAVR)

The Canadian Agreement on Vehicle Registration (CAVR) provides a means whereby vehicles may travel in two or more member jurisdictions for a registration fee that is equal (more or less) to the fee of a single jurisdiction. Member jurisdictions include all ten Canadian provinces but not Yukon or Northwest Territories. Two distinct methods of registering vehicles are set out in the Agreement. The applicable one depends on the type of vehicle to be registered.

A total of 760 vehicles are issued a PRP (Proportional Prorate Plate) license plate through the CAVR process to approximately 270 Prince Edward Island Carriers during this fiscal year.

It is not mandatory that vehicles be registered under this Agreement, but if carriers do not register their vehicles they must be registered separately in each jurisdiction in which they will travel by obtaining either an annual, part-year or temporary permit or a single-trip permit.

One method, referred to as "mileage or distance prorate", applies to vehicles that are designated as **Category A**. The other method known as "full and free reciprocity" applies to **Category B** vehicles.

A Category A vehicle is a truck, a truck and trailer or a tractor-trailer combination having a gross weight of 11,797 kg or more and used for the transportation of property.

A Category B vehicle is the same truck combination but having a gross vehicle weight of less than 11,797 kg and used for the transportation of property.

CAVR services are provided at the Charlottetown office of Highway Safety. The Distribution of Revenue is listed in the tables that follow.

Distribution of Revenue for P.E.I. Based Carriers Only
April 1, 1999 - March 31, 2000

Province	Registration Fees	Sales Tax Fees	Insurance Fees	Administration Fees	Total Fees
PE	$442,306.00	$214,368.02		$19,700.00	$676,374.02
NB	568,576.00			9,470.00	578,046.00
NS	129,383.49			9,210.00	138,593.49
NF	10,080.59			3,380.00	13,460.59
QC	134,019.00		107,595.0	4,910.00	246,524.00
ON	98,400.00	60,097.16		3,800.00	162,297.16
MB	7,496.00	5,380.64		1,860.00	14,736.64
SK	8,884.00	7,608.79		1,860.00	18,352.79
AB	5,084.00			1,860.00	6,944.00
BC	1,098.00	1,080.45		820.00	2,998.45
TOTALS	**1,405,327.08**	**288,535.06**	**107,595.0**	**56,870.00**	**1,858,327.14**

Distribution of Revenue Remitted by All Jurisdictions to P.E.I.
April 1, 1999 - March 31, 2000

Jurisdiction	Prorate Fees (Registration)	CAVR Tax (Sales Tax)	Cab Cards (Administration)	Total Fees
NB	$162,298.00	$ 78,739.13	$ 151,880.00	$ 392,917.13
NS	80,290.00	64,933.68	82,460.00	227,683.69
NF	4,035.00	4,451.38	5,860.00	14,346.38
QC	23,813.00	26,635.42	56,180.00	106,628.42
ON	10,734.00	29,108.15	57,299.00	97,141.15
MB	258.00	907.94	17,060.00	18,225.94
SK	838.57	6,472.42	11,900.00	19,210.99
AB	4,693.00	23,464.63	56,180.00	84,337.63
BC	165.00	8,483.87	9,700.00	18,348.87
Cat B	402.00		860.00	1,262.00
TOTALS	**$ 287,526.57**	**$ 243,196.62**	**$ 449,379.00**	**$ 980,102.20**

Total revenue collected for 1999-00 was **$2,838,429.34**

Total revenue retained by PEI for this period was **$1,656,476.22**

Total revenue distributed to all Provinces was **$1,181,953.12**

International Registration Plan (IRP)

The Department has approved and completed the application to join the International Registration Plan (IRP) effective April 1, 2001 which will replace the Canadian Agreement on Vehicle Registration (CAVR). The IRP is a Prorated Commercial Vehicle Registration program similar to the Canadian Agreement Vehicle Registration (CAVR) but Prorates on an International basis.

Registration and Licensing

Registration and Licensing service delivery is carried out through a service level agreement with Access P.E.I.

VEHICLE REGISTRATION BREAKDOWN

TYPE	1998-99	1999 - 00
Cars	57,505	60,343
Trucks	25,486	27,798
Motorcycles	743	861
Buses	391	353
Trailers	4,345	3,232
Off-Road Vehicles	1,413	1,300
Miscellaneous - Other Vehicles	534	582
Total Registrations	**90,417**	**94,469**

Telephone Vehicle Renewal System (TVRS) registrations totalled 4,953.

A total of 5,135 vehicle registration renewals were completed at the drive through window at the Charlottetown Office during the year.

TOTAL NUMBER OF DRIVERS PER CLASS

CLASS	1998-99	1999- 00
CLASS 1 - Tractor Trailers	3288	3,445
CLASS 2 - Bus for more than 24 passengers including School Bus	1,115	1,149
CLASS 3 - Trucks over 14,000 kgs	8,624	8,666
CLASS 4 - Ambulance, Bus, Taxi for less than 24 passengers	4,343	4,518
CLASS 5 - Car, light truck	73,338	74,232
CLASS 6 - Motorcycle	4,037	6,128
CLASS 7 - Beginner's Instruction Permit	1,737	1,551

Safety Section

The Safety Section deals with a number of issues as they relate to the driver and the vehicle. In each of these categories, the measures designed to counter highway collisions were separated into education and enforcement techniques which are primarily directed to highway users and by engineering developments directed to safety improvements of the vehicle.

Countermeasures were planned and conducted on the premise that the driver is ultimately responsible for motor vehicle operation on the highway. The countermeasure strategy is to increase the driver's knowledge of highway laws and safe driving practices. These include utilizing the news media for promotional and information purposes, testing new drivers, having licensing control over newly licensed drivers, and correction of unsafe practices among all drivers.

The Safety Section plans and co-ordinates the following programs:

- Promotion of Highway Safety
- Driver Improvement Programs
- Motor Vehicle Inspection
- Highway Weight Enforcement

Promotion of Highway Safety

The basic objective of driver testing is to establish and maintain acceptable standards for the issuance of driver licenses for all classes of vehicles in accordance with the provisions of the **Highway Traffic Act,** regulations, and departmental policies. A driver requires the necessary knowledge, skill, physical and mental ability to operate a motor vehicle in order to obtain a driver's license.

A Driver Examiner tests all drivers applying for an initial license at Highway Safety, as well as, those applying for a higher class of license. Tests are passed by successfully completing a written examination of rules of the road, a vision screening, and an actual road test.

Driver Testing Statistics

Written & Oral Knowledge Tests 1998 - 1999	Written & Oral Knowledge Tests 1999 - 2000	Road Tests 1998 - 1999	Road Tests 1999 - 2000
1,522	1,528	2,100	2,247

Driver Education Licensing Certification Program

Highway Safety encourages young drivers to become involved in a Driver Education Program in order to promote correct driving habits. Applicants enrolled in a Driver Education Program can obtain their Instruction Permit at 15 ½ years of age, however, they must wait at least 30 days following their 16th birthday before going on a road test.

Eight commercial Driver Education Schools operated in Prince Edward Island during 1998. Each school offers twenty-five hours of in-classroom instruction and six hours behind-the-wheel training as required by the Driving School Regulations.

Driver Education School
Class 5 Driver License

Written Examinations	Road Tests
1,045	1,235

Driver Improvement Programs

The primary function of Driver Improvement is to identify problem drivers through their driving record, interviews and meetings to encourage them to change their driving habits and attitudes to reduce fatalities, injuries, and property damage.

Driver Improvement Course

When a driver accumulates six or more demerit points, they are advised of the consequences which could result by the accumulation of additional demerit points.

Nine or more demerit points requires the driver to attend a driver improvement interview during which the driver is provided with an awareness of a driving problem and the process to a solution to the problem.

Twelve or more demerit points results in the suspension for three months of the driver's license. The driver is also expected to attend a reinstatement interview and a Driver Improvement Course. Failure to attend this course could result in further suspension of the driver's license.

During 1999, a total of 59 drivers successfully completed the Driver Improvement Course.

Driver Rehabilitation Program

All drivers who are convicted of a second or subsequent offence pursuant to Section 253(a), 253(b), or 254© of the **Criminal Code of Canada** must complete a Driver Risk Assessment which is conducted by Highway Safety. This assessment must be completed before a suspended driver can have their driver's license considered for reinstatement. Further referral to Addiction Services or to a Driver Rehabilitation Program could be required.

A Driver Rehabilitation Program is also conducted for the first-time offender convicted of impaired driving. This program is a requirement before a driver's license is reinstated.

During 1999, 181 drivers completed a Driver Rehabilitation Program.

Assessment Program

The Alcohol Assessment Referral Program requires drivers with three or more convictions for impaired driving to have an alcohol assessment completed and, if required, undergo curative treatment at an Addiction Services Centre. A Probationary driver's license may be returned to the driver only if the treatment program recommended by Addiction Services was followed. The probationary license is valid as long as the curative treatment program is followed.

During 1999, a total of 109 drivers participated in the Assessment Program.

Novice Driver Course

The Novice Driver Course is compulsory unless a Driver Education Course has been successfully completed. All new drivers applying for a license must complete either of these courses prior to taking a road test.

The Novice Driver Course is scheduled and made available through Highway Safety. These courses can be taken in Charlottetown, Montague, Souris, Summerside and Elmsdale.

A total of 872 students successfully completed the Novice Driving Course during the year 1999.

Defensive Driving Course

Courses on safe driving habits have been developed by the Canada Safety Council with the co-operation of provincial governments. In Prince Edward Island this course is administered by the PEI Safety Council which is affiliated with St. John Ambulance. Attendance at these courses is voluntary, and those who successfully complete the course receive a bonus of 3 points which can be used as a credit in the Demerit Point System.

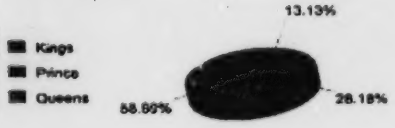
During 1999, a total of 133 drivers successfully completed the Defensive Driving Course.

Collision and Reporting System (CARS)

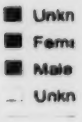
During 1999, there were 1,980 collisions resulting in 1,085 injuries and 19 fatalities. The fatalities included 9 drivers, 5 passengers, 3 pedestrian, 1 bicyclist, 0 motorcyclists, and 1 not stated.

Accidents By Day Of Occurance

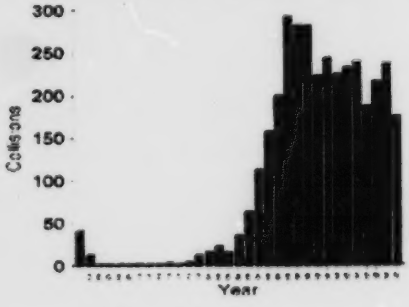
Accidents By County of Occurance



Driver:

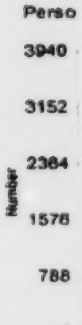


Vehicles Involved In Collisions by Vehicle Year



Injuries / Fatalities by Month of Occurrence

Month	Fatality	Personal Injury	Property Damage
January	2	49	106
February	1	57	122
March	1	41	98
April	1	51	83
May		44	76
June	2	58	79
July	1	85	116
August		58	119
September	2	60	112
October	4	65	118
November	3	44	116
December	1	74	120
Grand Total	18	696	1266



Persons Injured by Age

Age	Female	Male	Unknown	Grand Total
0-4	6	10	1	17
15-19	119	108		227
20-24	77	78		155
25-34	81	95		176
35-44	81	76	1	158
45-54	46	47		93
5-14	36	25		61
55-64	30	39		69
N.S.	12	10	1	23
NL 65	57	49		106
Grand Total	545	537	3	1085

Persons Killed by Age

Age	Female	Male	Grand Total
15-19	3	1	4
20-24	1	2	3
5-14	1		1
55-64	1	1	2
NL 65	1	2	3
25-34		1	1
35-44		3	3
45-54		2	2
Grand Total	7	12	19

Collisions Involving Injuries / Fatalities by Time

Hour	Fatality	Personal Injury
2 a.m. to 3 a.m.	1	17
3 a.m. to 4 a.m.	2	16
9 a.m. to 10 a.m.	2	23
11 a.m. to Noon	2	35
1 p.m. to 2 p.m.	1	40
2 p.m. to 3 p.m.	2	28
3 p.m. to 4 p.m.	2	41
5 p.m. to 6 p.m.	1	50
7 p.m. to 8 p.m.	3	28
10 p.m. to 11 p.m.	1	23
11 p.m. to Midnig	1	23
Midnight to 1 a.m.		20
1 a.m. to 2 a.m.		11
4 a.m. to 5 a.m.		9
5 a.m. to 6 a.m.		11
6 a.m. to 7 a.m.		14
7 a.m. to 8 a.m.		22
8 a.m. to 9 a.m.		40
10 a.m. to 11 a.m.		32
Noon to 1 p.m.		38
4 p.m. to 5 p.m.		68
6 p.m. to 7 p.m.		44
8 p.m. to 9 p.m.		35
9 p.m. to 10 p.m.		28
Grand Total	18	696

Traffic Safety Promotion

Highway Safety provides information regarding traffic safety through the use of the news media, brochures, posters and pamphlets. Campaigns are conducted promoting rules of the road, bicycle safety, off-highway vehicle rules, vehicle safety, winter driving tips, registration and license renewal reminders and seat belt use. A continuous campaign is conducted to encourage drivers not to drink and drive.

The SADD (Students Against Drunk Driving) program is also promoted and encouraged through Highway Safety. Each of the 12 high schools across the province has a Chapter of SADD.

Motor Vehicle Inspection

The Motor Vehicle Inspection program monitors the operating condition of all motor vehicles in Prince Edward Island. Inspection stations and mechanics are required to meet specific criteria in order to be licensed by the Province through Highway Safety.
The stations and mechanics are closely monitored by Motor Vehicle Inspection Officers.

Motor Vehicle Inspection Statistics
April 1, 1999 - March 31, 2000

No. Of Stations	No. Of Mechanics	Cars/ Trucks	Farm Trucks	Motorcycles	Trailers	TOTAL	Reject
205	580	89,747	2861	686	4,177	97,471	4,276

Roadside Vehicle Checks

Highway Safety Peace Officers, assisted by police agencies, periodically conduct roadside vehicle checks throughout the year. Items checked include driver's license, vehicle registration and inspection, insurance coverage, use of seat belts, window tint and infractions under the Liquor Control Act.

The 1999 Statistical Data for Roadside Vehicle Checks is as follows:

Number of charges	365
Total vehicles checked	Approx. 4,000

Weigh Scale Stations

There are two weigh scale stations in Prince Edward Island. One is located at Borden/Carleton and the other in Wood Islands. The Borden/Carleton Scales are opened 24 hours a day, throughout the year and are staffed by three full-time officers and four relief officers.

The Wood Islands scales operate from May to mid December each year. They are open daily from 6:00 a.m. to 10:00 p.m. Staff includes two full-time and two relief officers.

Weigh Scale Officers enforce the **Roads Act** and **Vehicle Weight Regulations, Highway Traffic Act** and **Regulations, Transportation of Dangerous Goods Act and Regulations, Plant Health Act and the Animal Health Act.**

TRUCK MOVEMENT
April 1, 1999 - March 31, 2000

ACTIVITY	LOCATION	NUMBER
Canadian Trucks	Borden/Carleton Scales Wood Islands Scales	248,576 18,884
U.S. Trucks	Borden/Carleton Scales Wood Islands Scales	867 01

DRIVER AND VEHICLE CHECKS
April 1, 1999 - March 31, 2000

ACTIVITY	LOCATION	NUMBER
Driver's Documents	Borden/Carleton Scales Wood Islands Scales	8,721 825
Hours of Work (Driver's Log)	Borden/Carleton Scales Wood Islands Scales	1,518 13
Trip Inspections	Borden/Carleton Scales Wood Islands Scales	1,518 13
Dangerous Goods Inspections	Borden/Carleton Scales Wood Islands Scales	659 0

MISCELLANEOUS ACTIVITIES
APRIL 1, 1999 - MARCH 31, 2000

ACTIVITY	LOCATION	NUMBER
Quick Check Stickers Issued	Borden/Carleton Scales Wood Islands Scales	1,102 89
Potato Levy Slips Collected	Borden/Carleton Scales Wood Islands Scales	13,728 436
Vehicles Checked For Taxable Goods	Borden/Carleton Scales Wood Islands Scales	64 6
Forest Products	Borden/Carleton Scales Wood Islands Scales	5,445 1,277
Vehicles Quarantined Plant Health Act	Borden/Carleton Scales Wood Islands Scales	4 1

PERMITS ISSUED
April 1, 1999 - March 31, 2000

TYPE	LOCATION	NUMBER	REVENUE
In-Transit	Borden/Carleton Scales Wood Islands Scales	93 7	465.00 35.00
Oversize	Borden/Carleton Scales Wood Islands Scales	419 41	9,340.00 690.00
Overweight	Borden/Carleton Scales Wood Islands Scales	48 15	1,200.00 375.00
Trip	Borden/Carleton Scales Wood Islands Scales	598 29	74,005.00 3,135.00
Fuel	Borden/Carleton Scales Wood Islands Scales	292 15	7,300.00 375.00
Work	Borden/Carleton Scales Wood Islands Scales	61 3	14,000.00 700.00

Non-Compliance	Borden/Carleton Scales Wood Islands Scales	176 8	17,600.00 800.00
Disinfection Fees	Borden/Carleton Scales Wood Islands Scales	2712 436	29,016.90 4,665.00
TOTALS	**Borden/Carleton Scales** **Wood Islands Scales**	**4399** **554**	**$152,926.90** **10,775.00**

RECORDED VIOLATIONS
April 1, 1999 - March 31, 2000

ITEM	LOCATION	NUMBER	REVENUE
Roads Act	Borden/Carleton Scales Wood Islands Scales	634 23	119,184.00 4,136.00
Highway Traffic Act	Borden/Carleton Scales Wood Islands Scales	211 0	14,560.00 0.00
Dangerous Goods Act	**Borden/Carleton Scales** **Wood Islands Scales**	4 0	1,640.00 0.00
TOTALS	**Borden/Carleton Scales** **Wood Islands Scales**	**839** **23**	**$135,384.00** **$ 14,560.00**

Enforcement Officers conduct Commercial Vehicle Safety Alliance (CVSA) roadside inspection of both Drivers and vehicles.

Vehicles inspected fall into three categories:

1. Pass (CVSA sticker applied to vehicle)
2. Out of Service (vehicle must be towed or repaired before it proceeds)
3. Restricted (Vehicle must be repaired before next dispatch).

Driver's inspected fall into two principle areas:

1. Non-compliance
2. Compliance

(These inspections would include hours of service (log book), status of license, required endorsements, etc.).

COMMERCIAL VEHICLE SAFETY ALLIANCE STATISTICS
April 1, 1999 - March 31, 2000

ITEM	1998-99	1999-00
Total Number of Trucks Inspected	290	
Power Units Out Of Service	25	
Trailers Out Of Service	17	

Portable Scales

The Portable Scale Unit consists of two vehicles and portable wheel weigher scales. The unit is staffed by two permanent part-time officers and three relief officers.

Officers enforce the **Roads Act, Vehicle Weight Regulations, Highway Traffic Act, Transportation of Dangerous Goods Act, Fuel Tax, Plant Health Act and Animal Health Act.**

PORTABLE SCALES STATISTICS
April 1, 1999 - March 31, 2000

CHARGES	REVENUE
944	$ 111,481.00

Insurance Statistics 1999

One Officer devotes approximately 50% of his time to this operation.

Cancellation Notifications	4,467
Letter issued	869
Visit to clients	6
Files completed	3,293
Confiscated License Plates	24
Insurance obtained due to Highway Safety Operation Action	12

Dealer Audits

Highway Safety Officers completed 92 audits of the 177 licensed Dealers in P.E.I. These audits are to ensure compliance with the regulations, for holding a Dealer's Trade License.

BUILDING MAINTENANCE AND ACCOMMODATIONS SECTION

The responsibility of the Building Maintenance and Accommodations Section is to provide quality services to all of Government in the areas of building operations, maintenance, and accommodations. The Operations and Maintenance section is responsible for the day to day operating and maintaining of Government buildings and systems. The responsibility of the Accommodations section is to administer the short and long term spatial requirements of Government Departments and Agencies housed within Government owned and/or leased facilities.

During the year the following activities took place:

Alberton Courthouse

Installed new water pump and water tank
Insulated ceiling in furnace room for sound proofing
Installed 2 new hot air furnaces, complete with air cleaners, humidifiers, and had duct work cleaned
Painted total interior

Portage VIC

Installed ventilation vent on roof

Wellington Forestry

Installed new submersible water pump
Installed new baseboard heaters
Constructed new office in basement

Prince County Jail

Installed new shower stall in upstairs cell area
Re-worked drunk tank doors

PAB COMPLEX

Shaw Building

Basement:
Installed male and female showers and change rooms
1st Floor:
Installed air re-distribution system
2nd Floor South:
Office renovations which resulted in (4) additional work stations
3rd Floor South:
Office renovations which resulted in (4) additional work stations

4th Floor South:
Office renovations which resulted in (1) additional work station
5th Floor North:
Office renovations which resulted in (3) additional work stations

Sullivan Building
2nd Floor:
Office renovations which resulted in (3) additional work stations
4th Floor:
Office renovations which resulted in (10) additional work stations
5th Floor:
Renovated lab/kitchen into (2) offices

Jones Building
New concrete block retaining wall

Customs House
Installed panic and emergency alarm system

Brighton Road Complex
installed LAN for temporary courthouse location

Province House Annex
Installed security alarm system

Waste Management Office
Installed LAN and electrical for new location setup

Dairy Lab - Walker Drive
Installed security alarm system

Correctional Center - Sleepy Hollow
Installed new water softener
Sealed ductwork on air distribution system
Cleaned and sanitized exhaust and return air grills on air distribution system
Upgraded back-up generator

Ellis Bros. Complex
Installed LAN for Seasonal Hiring Center

Government House
Installed water softener
Installed new basement windows

Coles Building
- Cleaned air distribution system ductwork
- Replaced air conditioner compressor unit
- Placed new sidewalks

Stonehouse VIC
- Installed new flag pole and base

Morell Library
- Installed new flagpole and flower bed

Basin Head & Fisheries Museum
- Installed new gable end glass
- Re-roofing sections of Fisheries Museum Complex

Georgetown Courthouse
- Sound proofing done in various rooms of courthouse
- Painting
- Installed battery backup for magnetic door locks

Pooles Corner VIC
- Parking lot repairs

Southern King's & Queens Regional Service Center
- Installed new air handling system
- Painting
- Carpet replacement

Montague Office Complex
- Re-shingled part of east side of roof
- Painting

Mount Stewart Highways Material Test Lab
- Installed new flag pole

Georgetown Youth Center
- Replaced sectional boiler with new steel boiler
- Installed new flooring
- Replaced sprinkler head with new
- Installed new data cabling system

South Hampton Forestry
- Installed new windows
- Installed new security system

PROPERTIES SECTION

The Properties Section consists of the following subsections:

Acquisitions and Disposals
Land Administration
Special Projects

The Properties Section is responsible for staff administering the ownership and management of all provincial lands held by the Department of Transportation and Public Works. The work that the staff routinely carries out in the performance of their duties includes the following:

Acquisition and Disposals

- Provides appraisals of land for purchase, sale or leasing purposes.
- Oversees the management of the abandoned rail lands, works with the Department of Fisheries and Tourism regarding lands developed as part of the Confederation Trail.
- Negotiates agreements related to the acquisition, sale and/or leasing of land on behalf of the Province.
- Negotiates of agreements related to lands required for highway purposes.
- Responds to inquiries and requests received regarding the use of provincial lands.

Land Administration

- Investigates various legal interests and/or carries out abstracts of title related to lands.
- Prepares legal documents related to land administration and when required, legal advice is provided by the Legal Services Division - Department of Community Services and Attorney General.
- Administers the billing and collection of rents as it relates to the rental of provincial lands.
- Maintains a comprehensive file system (both hard copy and computerized) of all provincial lands.

Special Projects

- Tender the sale of surplus provincial land;
- Maintains the provincial property maps which identify all provincial lands;
- Coordinates the review of provincial lands by the Provincial Land Review Subcommittee;
- Tender the sale and/or removal of surplus buildings;

Some of our more notable accomplishments this year were:

- Ongoing review of provincial lands and private lands offered to the Province for purchase through the Provincial Land Review Subcommittee;
- Updating the Provincial Lands Managing Agreements with the Departments who are assigned the responsibility of managing their assigned properties;
- Continue to secure lands for the Cornwall By-Pass;
- Acquisition of lands from St. Peters Estates Ltd. at Greenwich to facilitate the construction of new beach facilities and Interpretive Centre as part of the Greenwich National Park;
- Transfer of Provincial lands at the tip of Greenwich to Parks Canada;
- Securing the land requirements for the 2001 Boy Scout Jamboree;
- Sold the "Ark Property" at Spry Point to be developed as a tourism/resort development;
- Retain land at Spry Point (part of the Ark Property) to be developed as "Sally's Beach Day Use Park" ;
- Acquisition of land for new Prince County Hospital
- Acquisition of land at Brookvale for cross country ski trails
- Transfer of lands to Western, Eastern and French Language School Boards
- Province-wide review of station areas on former CN rail lands.

This fund is designed to make available some of the dollars realized from the sale of surplus resource lands toward the acquisition of required resource lands up to an amount of $250,000.00. The activity of the Resource Land Acquisition fund for 1999/00 fiscal year is as follows:

Resource Land Acquisition Fund 99/00

- Sales $330,272.00
- Acquisitions $226,466.00
- Net Proceeds $103,806.00

CAPITAL PROJECTS DIVISION

Chief Engineer's Report

The Highway Construction Division is responsible for the construction and reconstruction of the Province's highway system. The Highway Construction Division is divided into three regions; each headed under the direction of a Regional Engineer. These regions are the Western Region, Central Region and the Eastern Region and have offices located in Summerside, Charlottetown and Georgetown. The Division also operates a field office in Alma and its sign shop is located in Tignish. The various activities of the sections that fall under the Highway Construction Division are outlined in the following pages.

Capital highway expenditures amounted to 22.5 million dollars in 1999-00. This was the final year of the Atlantic Freight Rate Transition Agreement. This five year agreement enables the Province to use funds received from the Federal Government to assist construction on the primary highway system to mitigate the impact of increased truck traffic resulting from the abandonment of the railway system.

Detailed information relating to this program and the various other activities of this Division follows.

ATLANTIC FREIGHT RATE TRANSITION AGREEMENT
1999-00

EASTERN REGION	Grade	Gravel Base	Asphalt RAP	Asphalt Leveling	Base	Seal	New Recon.	To Be Sealed	New Pave
DISTRICT 1									
Souris Line Road	1.30	1.30	—	—	1.30	1.30	1.30	—	—
TOTAL - DISTRICT 1	**1.30**	**1.30**	**0.00**	**0.00**	**1.30**	**1.30**	**1.30**	**0.00**	**0.00**
DISTRICT 2									
Curtis Road to Whitty Road	0.92	0.92	—	—	0.92	0.92	0.92	—	—
TOTAL - DISTRICT 2	**0.92**	**0.92**	**0.00**	**0.00**	**0.92**	**0.92**	**0.92**	**0.00**	**0.00**
DISTRICT 3									
Pooles Corner Intersection	—	—	—	—	—	1.00	—	—	—
7 Mile Road-Bridgetown	—	—	—	—	—	0.62	—	—	—
TOTAL - DISTRICT 3	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.62**	**0.00**	**0.00**	**0.00**
DISTRICT 5									
Beach Point Road	—	—	—	1.35	—	1.35	1.35	—	—
TOTAL - DISTRICT 5	**0.00**	**0.00**	**0.00**	**1.35**	**0.00**	**1.35**	**1.35**	**0.00**	**0.00**
TOTALS	**2.22**	**2.22**	**0.00**	**1.35**	**2.22**	**5.19**	**3.57**	**0.00**	**0.00**

CENTRAL REGION	Gravel Grade	Gravel Base	Asphalt RAP	Asphalt Leveling	Base	Seal	New Recon.	To Be Sealed	New Pave
DISTRICT 6									
TCH-Eldon to Pinette	—	—	—	1.63	—	1.63	1.63	—	—
Wood Islands Road	1.21	1.31	—	—	1.31	1.31	1.31	—	—
TOTAL - DISTRICT 6	*1.21*	*1.31*	*0.00*	*1.63*	*1.31*	*2.94*	*2.94*	*0.00*	*0.00*
DISTRICT 7									
Glen Stewart Dr SS	0.47	0.47	—	—	0.47	0.47	0.47	—	—
TOTAL - DISTRICT 7	*0.47*	*0.47*	*0.00*	*0.00*	*0.47*	*0.47*	*0.47*	*0.00*	*0.00*
DISTRICT 15									
Charlottetown Perimeter Rd	0.20	1.79	—	—	1.79	—	1.79	1.79	1.79
TCH-Thompson Drive	Landscaping		—	—	—	—	—	—	—
TOTAL - DISTRICT 15	*0.20*	*1.79*	*0.00*	*0.00*	*1.79*	*0.00*	*1.79*	*1.79*	*1.79*

CENTRAL REGION	Grade	Gravel Base	Asphalt RAP	Asphalt Leveling	Base	Seal	New Recon.	To Be Sealed	New Pave
DISTRICT 16									
Cornwall Intersection	Cold Plane and Patch, Curbing and Catch Basin Adjustments					—	—	—	
TOTAL - DISTRICT 16	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
TOTALS	**1.88**	**3.57**	**—**	**1.63**	**3.57**	**3.41**	**5.20**	**1.79**	**1.79**

WESTERN REGION	Grade	Gravel Base	Asphalt RAP	Asphalt Leveling	Base	Seal	New Recon.	To Be Sealed	New Pave
DISTRICT 19									
Albany Y Ramps	0.60	0.60	—	—	0.60	0.60	0.60	—	—
Seven Mile Bay	—	—	—	1.00	—	1.00	1.00	—	—
East Newton	0.30	0.30	—	2.20	0.30	2.50	2.50	—	—
TOTAL - DISTRICT 19	*0.90*	*0.90*	*0.00*	*3.20*	*0.90*	*4.10*	*4.10*	*0.00*	*0.00*
DISTRICT 23									
Portage to West Devon	1.00	1.00	Widen Shoulders	—	1.00	1.00	1.00	—	—
TOTAL - DISTRICT 24	*1.00*	*1.00*	*0.00*	*0.00*	*1.00*	*1.00*	*1.00*	*0.00*	*0.00*
DISTRICT 24									
Miscouche to Allen Road	—	—	—	2.40	—	2.40	2.40	—	—
TOTAL - DISTRICT 24	*0.00*	*0.00*	*0.00*	*2.40*	*0.00*	*2.40*	*2.40*	*0.00*	*0.00*
DISTRICT 25									
Milo to Glenwood	—	—	—	1.30	—	1.30	1.30	—	—
TOTAL - DISTRICT 25	*0.00*	*0.00*	*0.00*	*1.30*	*0.00*	*1.30*	*1.30*	*0.0*	*0.00*
TOTALS	**1.90**	**1.90**	**0.00**	**6.90**	**1.90**	**8.80**	**8.80**	**0.00**	**0.00**
GRAND TOTALS	**6.00**	**7.69**	**0.00**	**9.88**	**7.69**	**16.20**	**17.57**	**1.79**	**1.79**

SCHEDULE OF PROVINCIAL TENDERS

IRIS ROAD

Subgrade & Pave
Tender Opened June 1, 1999

Chapman Bros	= = = = = = = = = =	$182,791.00
Island Construction	= = = = = = = = = =	$212,909.20
Dennis Construction	= = = = = = = = = =	$216,390.00
Island Coastal	= = = = = = = = = =	$237,928.00

Awarded to Chapman Bros Construction Ltd

FRENCH VILLAGE ROAD

Subgrade & Pave
Tender Opened June 1, 1999

Chapman Bros	= = = = = = = = = =	$133,564.10
Island Construction	= = = = = = = = = =	$135,574.13

Awarded to Chapman Bros Construction Ltd

SEVEN MILE ROAD - DUNDAS

PAVE
Tender Opened June 1, 1999

Chapman Bros	= = = = = = = = = =	$758,219.40
Island Construction	= = = = = = = = = =	$810,548.20
Island Coastal	= = = = = = = = = =	$883,930.00
Curran & Briggs	= = = = = = = = = =	$889,436.65

Awarded to Chapman Bros Construction Ltd

GRAND RIVER TO MACDOUGALL'S CORNER

PAVE
Tender Opened July 15, 1999

Curran & Briggs	= = = = = = = = = =	$129,731.04

Awarded to Curran & Briggs Limited

KILDARE ROAD

PAVE
Tender Opened July 15, 1999

H.I. Construction	= = = = = = = = = =	$186,766.00
Curran & Briggs	= = = = = = = = = =	$189,974.00

Awarded to H.I. Construction Ltd

HARMONY LINE ROAD

PAVE
Tender Opened July 15, 1999

Curran & Briggs	= = = = = = = = = =	$189,180.00

Awarded to Curran & Briggs Limited

O'HALLORAN ROAD

PAVE
Tender Opened July 15, 1999

H.I. Construction	= = = = = = = = = =	$245,985.00
Curran & Briggs	= = = = = = = = = =	$248,859.30

Awarded to H.I. Construction

TCH - NEW HAVEN TOWARDS CLYDE RIVER

Cold Plane & Pave
Tender Opened July 15, 1999

Island Construction	= = = = = = = = = =	$215,867.10
Island Coastal	= = = = = = = = = =	$217,982.50
Island Excavators	= = = = = = = = = =	$220,512.10

Awarded to Island Construction

MAYFIELD ROAD LINE ROAD TO TORONTO ROAD

Subgrave & Pave
Tender Opened July 15, 1999

Island Excavators	= = = = = = = = = =	$265,993.50
Island Construction	= = = = = = = = = =	$273,032.00
Chapman Bros	= = = = = = = = = =	$275,342.50
Island Coastal	= = = = = = = = = =	$283,068.50
Curran & Briggs	= = = = = = = = = =	$289,538.62

Awarded to Island Excavators "1985" Ltd

LONG CREEK ROAD

Subgrade & Pave
Tender Opened July 15, 1999

Island Excavators	= = = = = = = = = =	$165,875.71
Island Construction	= = = = = = = = = =	$174,406.04
Island Coastal	= = = = = = = = = =	$179,132.76
Chapman Bros	= = = = = = = = = =	$181,256.30

Awarded to Island Excavators "1985" Ltd

WOOD ISLANDS ROAD CALEDONIA KINGS COUNTY

Subgrade & Pave
Tender Opened July 15, 1999

Kings County Const.	= = = = = = = = = =	$235,557.40
Chapman Bros	= = = = = = = = = =	$243,862.50
Island Coastal	= = = = = = = = = =	$252,058.50

Awarded to Kings County Construction Ltd

MURRAY RIVER

PAVE
Tender Opened July 15, 1999

Island Coastal	= = = = = = = = = =	$272,295.00
Island Construction	= = = = = = = = = =	$277,425.00
Chapman Bros	= = = = = = = = = =	$320,731.50

Awarded to Island Coastal Services

MURRAY HARBOUR ROAD

PAVE
Tender Opened August 5, 1999

Chapman Bros	= = = = = = = = = =	$132,609.60
Island Construction	= = = = = = = = = =	$134,277.30
Dennis Construction	= = = = = = = = = =	$151,995.00

Awarded to Chapman Bros Construction Ltd

UPTON ROAD

PAVE
Tender Opened August 5, 1999

Dennis Construction	= = = = = = = = = =	$564,437.50
Island Coastal	= = = = = = = = = =	$585,823.50
Island Construction	= = = = = = = = = =	$614,663.40
Curran & Briggs	= = = = = = = = = =	$616,787.30
Chapman Bros	= = = = = = = = = =	$621,243.00

Awarded to Dennis Construction Ltd

STRATFORD ROAD

PAVE
Tender Opened August 5, 1999

Island Construction	= = = = = = = = = =	$108,584.70
Chapman Bros	= = = = = = = = = =	$119,959.40

Awarded to Island Construction Ltd

FRENCH RIVER ROAD

Subgrade & Pave
Tender Opened August 5, 1999

Curran & Briggs	= = = = = = = = = =	$359,433.50
Chapman Bros	= = = = = = = = = =	$417,108.00

Awarded to Curran & Briggs Ltd

DOCK (HOPEDALE) ROAD

Cold Plane & Pave
Tender Opened August 5, 1999

Chapman Bros	= = = = = = = = = =	$ 200,072.50
Dennis Construction	= = = = = = = = = =	$207,219.00
Island Construction	= = = = = = = = = =	$215,314.00
Curran & Briggs	= = = = = = = = = =	$223,169.20

Awarded to Chapman Bros Construction Ltd

NEW DOMINION INTERSECTION

Subgrade & Pave
Tender Opened August 5, 1999

Island Coastal	= = = = = = = = = =	$280,759.00

Awarded to Island Coastal Services Ltd

MONTAGUE ROAD (BELL'S HILL)

Subgrade & Pave
Tender Opened August 12, 1999

Island Construction	= = = = = = = = = =	$1,008,802.00
Chapman Bros	= = = = = = = = = =	$1,172,475.00

Awarded to Island Construction Ltd

BLUESHANK ROAD & ROUTE 2 INTERSECTION

Subgrade & Pave
Tender Opened April 20, 1999

Curran & Briggs	= = = = = = = = = =	$ 193,505.00
AJL Limited	= = = = = = = = = =	$ 200,032.50
Duffy Construction	= = = = = = = = = =	$ 212,140.00
Birt & MacKay	= = = = = = = = = =	$ 216,489.94
Island Coastal	= = = = = = = = = =	$ 217,346.20
Chapman Bros	= = = = = = = = = =	$ 219,488.50

Awarded to Curran & Briggs Ltd

CUMBERLAND - SOUTH SHORE

Subgrade & Pave
Tender Opened April 20, 1999

Dennis Construction	= = = = = = = = = =	$ 93,248.00
Island Construction	= = = = = = = = = =	$ 94,498.05
Chapman Bros	= = = = = = = = = =	$ 97,233.50

Awarded to Dennis Construction Ltd

EAST POINT ROAD

PAVE
Tender Opened April 20, 1999

Chapman Bros	= = = = = = = = = =	$ 120,313.50
Island Construction	= = = = = = = = = =	$ 133,100.70

Awarded to Chapman Bros Construction Ltd

FORT AUGUSTUS ROAD

Subgrade & Pave
Tender Opened April 20, 1999

Dennis Construction	= = = = = = = = = =	$ 109,695.00
Island Construction	= = = = = = = = = =	$ 110,143.30
Chapman Bros	= = = = = = = = = =	$ 119,336.50

Awarded to Dennis Construction Ltd

LOWER NEW ANNAN

PAVE
Tender Opened April 20, 1999

Dennis Construction	= = = = = = = = = =	$ 199,110.00
Curran & Briggs	= = = = = = = = = =	$ 208,142.82
HI Construction	= = = = = = = = = =	$ 236,525.00

Awarded to Dennis Construction Ltd

PHILLIP STREET - TIGNISH

PAVE
Tender Opened April 20, 1999

HI Construction	= = = = = = = = = =	$ 147,196.00
Curran & Briggs	= = = = = = = = = =	$ 166,674.75

Awarded to HI Construction Ltd

SHAW HOTEL ROAD

Subgrade & Pave
Tender Opened April 20, 1999

Dennis Construction	= = = = = = = = = =	$ 41,960.00
Island Construction	= = = = = = = = = =	$ 43,211.80
Chapman Bros	= = = = = = = = = =	$ 45,273.00

Awarded to Dennis Construction Ltd

WOOD ISLANDS ROAD

Subgrade & Pave
Tender Opened April 20, 1999

Island Construction	= = = = = = = = = =	$ 295,044.50
Chapman Bros	= = = = = = = = = =	$ 302,780.00
Island Coastal	= = = = = = = = = =	$ 344,859.60
Birt & MacKay Backhoeing Ltd	= = = = = = = = = =	$ 345,770.10

Awarded to Island Construction Ltd

WOODVILLE MILLS ROAD

Subgrade & Pave
Tender Opened April 20, 1999

Dennis Construction	= = = = = = = = = =	$ 187,630.00
Island Construction	= = = = = = = = = =	$ 211,250.10
Island Coastal	= = = = = = = = = =	$ 224,146.20
Chapman Bros	= = = = = = = = = =	$ 224,591.90

Awarded to Dennis Construction Ltd.

ATLANTIC FREIGHT RATE TRANSITION PROGRAM

WOOD ISLANDS ROAD CALEDONIA QUEENS COUNTY

Subgrade & Pave
Tender Opened July 15, 1999

Chapman Bros	= = = = = = = = = =	$305,786.00
Island Coastal	= = = = = = = = = =	$320,970.40
Kings County Const.	= = = = = = = = = =	$324,433.00

Awarded to Chapman Bros. Construction Ltd.

ALBANY Y RAMP

Subgrade & Pave
Tender Opened June 1, 1999

Chapman Bros	= = = = = = = = = =	$197,560.50
Island Excavators	= = = = = = = = = =	$202,639.25
Curran & Briggs	= = = = = = = = = =	$202,801.35
AJL Limited	= = = = = = = = = =	$203,277.50
Island Coastal	= = = = = = = = = =	$213,980.00

Awarded to Chapman Bros. Construction Ltd.

WESTERN ROAD (MISCOUCHE TO ALLEN ROAD)

PAVE
Tender Opened June 1, 1999

Curran & Briggs	= = = = = = = = = =	$176,376.00
H.I. Construction	= = = = = = = = = =	$251,880.00

Awarded to Curran & Briggs Ltd.

MILO ROAD TO GLENWOOD ROAD

PAVE
Tender Opened June 1, 1999

H.I. Construction	= = = = = = = = = =	$119,921.00
Curran & Briggs	= = = = = = = = = =	$120,578.25

Awarded to H.I. Construction Ltd.

EAST NEWTON ROAD

PAVE
Tender Opened June 1, 1999

Dennis Construction	= = = = = = = = = =	$125,970.00
Chapman Bros	= = = = = = = = = =	$134,429.50
Curran & Briggs	= = = = = = = = = =	$142,488.22

Awarded to Dennis Construction Ltd.

SOURIS LINE ROAD

PAVE
Tender Opened June 1, 1999

Chapman Bros	= = = = = = = = = =	$176,350.50
Island Construction	= = = = = = = = = =	$182,471.90

Awarded to Chapman Bros. Construction Ltd.

WESTERN ROAD (PORTAGE TO WEST DEVON)

PAVE
Tender Opened July 15, 1999

AJL Ltd.	= = = = = = = = = =	$257,620.00
H.I. Construction	= = = = = = = = = =	$269,950.00
Curran & Briggs	= = = = = = = = = =	$272,364.50

Awarded to AJL Limited Ltd.

GLEN STEWART DRIVE STRATFORD

PAVE
Tender Opened July 15, 1999

Island Coastal	= = = = = = = = = =	$178,128.33
Birt & MacKay	= = = = = = = = = =	$182,827.94
WW&M LTD.	= = = = = = = = = =	$194,634.70

Awarded to Island Coastal Services

CHARLOTTETOWN PERIMETER HIGHWAY

PAVE
Tender Opened August 12, 1999

Island Coastal	= = = = = = = = = =	$ 992,115.00
Dennis Construction	= = = = = = = = = =	$ 998,475.50
Island Construction	= = = = = = = = = =	$1,021,075.00
Chapman Bros	= = = = = = = = = =	$1,056,292.00
Curran & Briggs	= = = = = = = = = =	$1,096,813.28

Awarded to Island Coastal Services

BEACH POINT ROAD

Subgrade & Pave
Tender Opened April 20, 1999

Dennis Construction	= = = = = = = = = =	$ 108,004.00
Chapman Bros	= = = = = = = = = =	$ 114,954.00
Island Construction	= = = = = = = = = =	$ 117,958.30

Awarded to Dennis Construction Ltd.

SEVEN MILE BAY ROAD

PAVE
Tender Opened April 20, 1999

Dennis Construction	= = = = = = = = = =	$ 68,670.00
Curran & Briggs	= = = = = = = = = =	$ 79,906.60

Awarded to Dennis Construction Ltd.

ST. PETERS ROAD (CURTIS ROAD TO WHITTY ROAD)

Subgrade & Pave
Tender Opened April 20, 1999

Island Construction	= = = = = = = = = =	$ 400,649.00
Chapman Bros	= = = = = = = = = =	$ 401,019.60
Island Coastal Services	= = = = = = = = = =	$ 420,069.60
Birt & MacKay	= = = = = = = = = =	$ 470,504.64

Awarded to Island Construction Ltd.

TCH - ELDON TO MT BUCHANNAN

PAVE
Tender Opened April 20, 1999

Chapman Bros	= = = = = = = = = =	$ 156,748.50
Dennis Construction	= = = = = = = = = =	$ 156,755.00
Island Construction	= = = = = = = = = =	$ 161,979.00

Awarded to Chapman Bros. Construction Ltd.

PROVINCIAL LIGHTING MAINTENANCE TENDERS

ALBANY INTERCHANGE

MAINTENANCE
Tender Opened March 29, 1999

Maritime Electric	= = = = = = = = = =	$2,965.42
Chas Stewart	= = = = = = = = = =	$3,075.75
J.A. Electric	= = = = = = = = = =	$4,205.00

Awarded to Maritime Electric Company Ltd.

KINGS COUNTY VARIOUS LOCATIONS

MAINTENANCE
Tender Opened March 29, 1999

Maritime Electric	= = = = = = = = = =	$ 3,859.42
Don MacLeod	= = = = = = = = = =	$ 4,370.00
Palmer Electric	= = = = = = = = = =	$ 4,821.00
Foster Campbell	= = = = = = = = = =	$ 5,299.00
D. MacEwen Electric	= = = = = = = = = =	$12,631.00

Awarded to Maritime Electric Company Ltd.

QUEENS COUNTY VARIOUS LOCATIONS

MAINTENANCE
Tender Opened March 29, 1999

Don MacLeod	= = = = = = = = = =	$10,200.00
Chas Stewart	= = = = = = = = = =	$10,797.15
Palmer Electric	= = = = = = = = = =	$13,855.00
Maritime Electric	= = = = = = = = = =	$14,970.47

Awarded to Don MacLeod Electric

PRINCE COUNTY VARIOUS LOCATIONS

MAINTENANCE
Tender Opened March 29, 1999

J.A Electric	= = = = = = = = = =	$ 7,510.00
Don MacLeod	= = = = = = = = = =	$ 6,536.00
Maritime Electric	= = = = = = = = = =	$ 5,659.00

Awarded to Maritime Electric Company Ltd.

HILLSBOROUGH BRIDGE

MAINTENANCE
Tender Opened March 29, 1999

Stewart Electric	= = = = = = = = = =	$ 2,700.00
Don MacLeod	= = = = = = = = = =	$ 2,886.00
Maritime Electric	= = = = = = = = = =	$ 2,918.15

Awarded to Stewart Electric

PROVINCIAL PAVING REPORT
1999-00

EASTERN REGION	Gravel Grade	Gravel Base	Asph RAP	Asph Levelling	Base	Seal	New Recon.	To Be Sealed	New Pave.
Priest Road	—	—	—	2.50	—	2.50	2.50	—	—
East Point Road	—	—	—	1.30	—	1.30	1.30	—	—
Souris storm sewer	0.02	—	—	—	0.02	—	—	—	—
Lakeville Bridge	0.20	0.15	—	—	0.15	0.20	0.20	—	—
TOTAL - DISTRICT 1	**0.22**	**0.15**	**0.00**	**3.80**	**0.17**	**4.00**	**4.00**	**0.00**	**0.00**
DISTRICT 2									
Fortune	—	—	—	1.00	—	1.00	1.00	—	—
Rte #16 & Rte #2 - Infilling	0.30	—	—	—	—	—	—	—	—
Northside Rd -St. Margarets	—	—	—	1.00	—	—	—	—	—
Hubert MacLeod Road	—	—	0.50	—	—	—	—	—	—
School House Road	—	—	1.00	—	—	—	—	—	—
Church Road	—	—	—	1.20	—	1.20	1.20	—	—
Morell Rear Road	—	—	—	1.00	—	1.00	1.00	—	—
TOTAL - DISTRICT 2	**0.30**	**0.00**	**1.50**	**4.20**	**0.00**	**3.20**	**3.20**	**0.00**	**0.00**
DISTRICT 3									
7 Mile Road - Dundas	2.40	2.40	—	—	2.40	—	2.40	2.40	—
Cardigan Shore Road	—	—	—	0.39	—	0.39	0.39	—	—
Woodville Mills	1.20	1.20	—	—	1.20	1.20	1.20	—	—
Lyndale Road	—	—	1.60	—	—	1.60	—	—	—
Brudenell Park Road	—	—	—	—	—	1.50	—	—	—
TOTAL - DISTRICT 3	**3.60**	**3.60**	**1.60**	**0.39**	**3.60**	**4.69**	**3.99**	**2.40**	**0.00**
DISTRICT 4									
Bells Hill, Route 4	1.20	1.20	—	—	1.20	—	1.20	1.20	—
Wood Islands Road	2.00	2.00	—	—	2.00	2.00	2.00	—	—
Sturgeon Road	—	—	—	1.00	—	1.00	1.00	—	—
Valleyfield Road	0.20	0.20	—	—	0.20	0.20	0.20	—	—
Brudenell Point Road	0.20	0.20	—	—	0.20	—	0.20	0.20	—
Tower Road	0.19	—	—	—	0.19	—	0.19	0.40	—
Lower Montague - Shoreline Protection	0.11	—	—	—	—	—	—	—	—
TOTAL - DISTRICT 4	**3.90**	**3.60**	**0.00**	**1.00**	**3.79**	**3.20**	**4.79**	**1.80**	**0.00**

DISTRICT 5									
Murray River Storm Sewer	0.50	0.50	—	—	0.50	0.50	0.50	—	—
Wood Islands Road	1.50	1.50	—	—	1.50	1.50	1.50	—	—
Hopefield Road	—	—	0.55	—	—	—	—	—	—
Bruce Road	—	—	1.00	—	—	1.00	1.00	—	1.00
Peters Road	—	—	0.13	—	—	0.13	0.13	—	0.13
St. Mary's Road	—	—	—	1.00	—	1.00	1.00	—	—
TOTAL - DISTRICT 5	**2.00**	**2.00**	**1.68**	**1.00**	**2.00**	**4.13**	**4.13**	**0.00**	**1.13**
EASTERN REGION TOTALS	**8.82**	**8.15**	**4.78**	**11.69**	**8.36**	**20.52**	**20.21**	**3.00**	**1.13**

CENTRAL REGION	**Gravel Grade**	**Gravel Base**	**Asph RAP**	**Asph Levelling**	**Base**	**Seal**	**New Recon.**	**To Be Sealed**	**New Pave.**
DISTRICT 6									
Murray Harbour Road	—	—	—	—	—	2.27	2.27	—	—
Glencoe Road	—	—	0.40	—	—	0.40	0.40	—	0.40
Panting Shore Road	—	—	0.60	—	—	0.60	0.60	—	0.60
Curran Road	—	—	0.80	—	—	0.80	0.80	—	0.80
Millvale Road	—	—	0.50	—	—	—	—	—	—
Iona Road	—	—	—	1.80	—	1.80	1.80	—	—
Lyndale Road	—	—	0.30	1.60	—	1.60	1.60	—	—
Iris Road	1.80	1.80	—	—	1.80	1.80	1.80	—	—
Garfield Road	—	—	—	—	0.60	—	—	0.60	0.60
Vernon Bridge	0.09	0.09	—	—	0.09	0.09	0.09	—	—
TOTAL - DISTRICT 6	1.89	1.89	2.60	3.40	2.49	9.36	9.36	0.60	2.40
DISTRICT 7									
Kinlock Rd Intersection	0.60	0.60	—	—	0.60	—	—	1.00	—
Aptos Road		—	—	0.10	—	—	—	—	—
Stratford Road	—	—	—	—	—	1.30	1.30	—	—
Zakems - Storm Sewer	—	—	—	—	—	—	—	—	—
TOTAL - DISTRICT 7	0.60	0.60	0.10	0.00	0.60	1.30	1.30	1.00	0.00

DISTRICT 8

Fort Augustus Road	0.20	0.90	—	—	0.90	0.90	0.90	—	—
French Village Rd	0.40	0.97	—	—	0.97	0.97	0.97	—	—
Robinson Road	—	—	1.20	—	—	—	—	—	—
Tracadie Harbour Road	—	—	—	1.00	—	1.00	1.00	—	—
Red Point Road	—	—	—	1.00	—	1.00	1.00	—	—
Donagh Road	—	—	—	1.00	—	1.00	1.00	—	—
TOTAL - DISTRICT 8	0.60	1.87	1.20	3.00	1.87	4.87	4.87	0.00	0.00

DISTRICT 9

Bay Shore Road Shoreline Protection	0.26	—	—	—	—	—	—	—	—
MacCallum Road	—	—	0.60	—	—	0.60	0.60	—	
0.60Horne Cross Road	—	—	0.95	—	—	—	—	—	—
Hardy Mill Rad		—	—	0.75	—	—	—	—	—
York (Covehead) Rd	—	—	—	—	—	1.50	1.50	—	—
MacMillan Point Road			2.00	—	—	2.00	2.00	—	—
TOTAL - DISTRICT 9	0.26	0.00	4.30	0.00	0.00	4.10	4.10	0.00	0.60

DISTRICT 10

Norwood Intersection	0.15	0.15	—	—	0.30	—	0.30	0.30	—
Riverside Dr./ signals	—	—	—	—	—	—	—	—	—
Riverside Dr.	0.50	0.50	—	—	0.50	—	0.50	0.50	—
TOTAL - DISTRICT 10	0.65	0.65	0.00	0.00	0.80	0.00	0.80	0.80	0.00

CENTRAL REGION	Gravel Grade	Gravel Base	Asph RAP	Asph Levelling	Asph Base	Asph Seal	New Recon.	To Be Sealed	New Pave.
DISTRICT 15									
Upton Road	1.16	1.16	—	—	1.16	—	1.16	1.16	—
Milton Int.	0.25	0.25	—	1.00	0.25	1.25	1.25	—	—
Melody Lane Int.	0.12	0.12	—	—	0.12	0.12	0.12	—	—
MacKenzie Road	—	—	1.05	—	—	—	—	—	—
TOTAL - DISTRICT 15	1.53	1.53	1.05	1.00	1.53	1.37	2.53	1.16	0.00
DISTRICT 16									
New Dommion Rt 19 & 19A	1 .20	1.00	—	—	1.20	1.20	1.20	—	—
Cumberland Road	—	1.50	—	—	1.50	1.50	1.50	—	—
South Shore Road	—	—	—	1.00	—	1.00	1.00	—	—
TOTAL - DISTRICT 16	1.20	2.50	0.00	1.00	2.70	3.70	3.70	0.00	0.00
DISTRICT 17									
Crapaud Widening	0.08	0.08	—	—	0.08	0.08	—	—	—
New Haven - Clyde River	—	—	—	—	—	3.00	3.00	—	—
Dock Road	—	—	—	1.00	2.06	3.06	3.06	—	—
Long Creek	0.76	0.76	0.60	0.60	0.76	1.36	1.36	—	—
Bannockburn Road	—	—	1.50	—	—	—	—	—	—
Perley Shaw Road	—	—	1.00	—	—	—	—	—	—
Nodd Road	—	—	—	1.00	—	1.00	1.00	—	—
TOTAL - DISTRICT 17	0.84	0.84	3.10	2.60	2.90	8.50	8.42	0.00	0.00

DISTRICT 18

Rennies Road	—	—	—	—	—	0.80	0.80	—	—
Mayfield	0.40	1.26	—	—	1.26	—	1.26	1.26	—
Cavendish Road	0.20	0.93	—	—	0.93	0.93	0.93	—	—
French River Road	—	2.32	—	—	2.32	2.32	2.32	—	—
Simpson Road	—	—	0.80	—	—	—	—	—	—
Buntain Road	—	—	0.50	—	—	—	—	—	—
Wayne Bernard Road	—	—	0.50	—	—	—	—	—	—
Cape Road	—	—	2.50	—	—	—	—	—	—
Shaw Hotel Road	—	—	—	0.61	—	0.61	0.61	—	—
MacQuarrie Road	—	—	0.50	—	—	—	—	—	—
MacInnis Road	—	—	0.50	—	—	—	—	—	—
Irishtown Road	—	—	—	—	1.00	1.00	1.00	—	—
County Line Road	—	—	0.10	—	—	—	—	—	—
Pickering Road	—	—	0.10	—	—	—	—	—	—
Cove Road	—	—	0.20	—	—	—	—	—	—
Bagnall Road	—	—	0.50	—	—	—	—	—	—
TOTAL - DISTRICT 18	0.60	4.51	6.20	0.61	5.51	5.66	6.92	1.26	0.00
CENTRAL REGION TOTALS	**8.17**	**14.39**	**18.55**	**11.61**	**18.40**	**38.86**	**42.00**	**4.82**	**3.00**

WESTERN REGION	**Gravel Grade**	**Base**	**Asph RAP**	**Asph Levelling**	**Base**	**Seal**	**New Recon.**	**To Be Sealed**	**New Pave.**
DISTRICT 19									
Blueshank Road	—	—	—	0.75	—	0.75	0.75	—	—
Tryon Culvert Repair	Inserting a plastic pipe inside an existing steel culvert and grouting the void								—
Blueshank Intersection	*0.25*	0.25 widening		—	*0.25*	0.25	0.25	—	—
Augustine Cove Road	—	—	—	1.50	—	1.50	1.50	—	—
S.C.I. Road(Borden)	–	0.45	—	—	0.45	0.45	0.45	—	—
Kinkora	Asphalt Curb at Service Station								
South Shore Arena	Paving Parking lot		—	—	—	—	—	—	—
TOTAL - DISTRICT 19	*0.25*	0.70	0.00	2.25	0.70	2.95	2.95	0.00	0.00

DISTRICT 20

Kensington Rte. 6	—	—	—	0.60	—	0.60	0.60	—	—
Blueshank Road	—	—	—	0.75	—	0.75	0.75	—	—
Blueshank Intersection	0.25	0.25	—	—	0.25	0.25	0.25	—	—
Blueshank to Kensington	1.00	1.00 shoulder widening			1.00	1.00	1.00	—	—
Margate Corner Property	Purchase of house		—	—	—	—	—	—	—
Kensington Intersection	Relocation of Pedestrian Crosswalk and signal poles						—	—	—
Baltic Road	1.00	1.00	—	—	1.00	1.00	1.00	—	—
Lower New Annan Road			2.90		2.90	2.90	—	—	
Granville St. Intersection	Installing of Traffic Signals			0.00	0.00	0.00	0.00	0.00	0.00
TOTAL - DISTRICT 20	2.25	2.25	0.00	4.25	2.25	6.50	6.50	0.00	0.00

District 21

Granville St. Intersection	Installing of Traffic Signals			0.00	0.00	0.00	0.00	0.00	0.00

DISTRICT 23

Harmony Line Road	—	0.65	—	—	0.65	0.65	0.65	—	—
Grand River Bridge to MacDougall Corner	—	—	—	2.00	—	2.00	2.00	—	—
Lewis Road	—	0.80	0.10	—		0.80	0.80	—	—
TOTAL - DISTRICT 23	0.00	1.45	0.10	2.00	0.65	3.45	3.45	0.00	0.00

DISTRICT 24

Harmony Line Road	—	0.65	—	—	0.65	0.65	0.65	—	—
Sunset Dr, Wellington	0.54 Widen shoulders & pave			—	—	0.54	0.54	—	—
Mums Road	0.10	0.10	—	—	—	0.10	0.10	—	0.10
Miscouche Storm Sewer	Storm Sewer, pave shoulder and asphalt curb								
TOTAL - DISTRICT 24	0.64	0.75	0.00	0.00	0.65	1.29	1.29	0.00	0.10

WESTERN REGION	**Grade**	**Gravel Base**	**Asph RAP**	**Asph Levelling**	**Base**	**Seal**	**New Recon.**	**To Be Sealed**	**New Pave.**
DISTRICT 25									
O'Halloran Road	—	2.00	—	—	2.00	2.00	2.00	—	—
O'Leary Road	—	—	—	1.80	—	1.80	1.80	—	—
Milo Road	—	—	—	1.20	—	1.20	1.20	—	—
TOTAL - DISTRICT 25	0.00	2.00	0.00	3.00	2.00	5.00	5.00	0.00	0.00
DISTRICT 26									
Rte 2 & Rte 145 Turn Lane	Right turn exit built to new mall 200 m.				—		—	—	—
Kildare Road	—	—	—	2.30	—	2.30	2.30	—	—
Campbell Sub-division	Storm Sewer installation and ditching to correct drainage problem							—	—
Dock Road	Ditching to correct drainage problem				—	—	—	—	—
Mill River East	Ditching to correct drainage problem				—	—	—	—	—
TOTAL - DISTRICT 26	0.00	0.00	0.00	2.30	0.00	2.30	2.30	0.00	0.00

DISTRICT 27									
Phillip Street, Tignish	—	—	—	1.30	—	1.30	1.30	—	—
Gunion Road	0.20	0.20	—	—	0.20	0.20	0.20	—	—
Broderick Road	0.90	—	—	—	0.90	0.90	0.90	—	0.90
Ascension Road	0.20	—	0.20	—	—	—	—	—	—
Griffin Road	0.73	0.73	0.73	—	—	0.73	0.73	—	0.73
TOTAL - DISTRICT 27	2.03	0.93	0.93	1.30	1.10	3.13	3.13	0.00	1.63
WESTERN REGION TOTALS	**5.17**	**8.08**	**1.03**	**15.10**	**7.35**	**24.62**	**24.62**	**0.00**	**1.73**
GRAND TOTALS	**22.16**	**30.62**	**24.36**	**38.40**	**34.11**	**84.00**	**86.83**	**7.82**	**5.86**

Western Region Traffic Operations

Highway Signage

During the past year, winter damage was minor and Halloween damage was relatively light.

The areas were covered by one permanent and one casual crew. The casual crew works out of the O'Leary area from May to November. The other crew works out of Summerside for the same period but covers the entire area from November to May.

The crews maintain and install directional signage, community signs, scenic route signs, street name signs, road name signs, warning signs, and regulatory signs.

The sign crews continue to erect, maintain and remove the H.I.S.S.(Highway Information Signage System) standards and signs.

The crews spend approximately three weeks in the spring to repair any standards/signage damaged throughout the winter. During the summer months the crews spend the summer erecting and maintaining new signs.

Highway Marking

The three counties continue to share the centerline striping truck and the ton truck which paints the shoulder lines.

The pre-marking crew continued to pre-mark new construction and maintenance for the centerline crew and intersection crew.

The intersection painting crew continued to paint yellow islands, white turning arrows, stop bars, and advance warnings under a regular maintenance program and new construction.

Highway Lighting

Maintenance of low pressure sodium lights in Prince County was carried out under two maintenance contracts. Maintenance of traffic signals, flashing beacons, and other lighting was carried out as required. Four LPS were installed, three at Route 2 and Route 107, one at Route 8 and Route 109.

Highway Access Control

Under the Roads Act Arterial Highway Regulations, twenty applications were received from Prince County for review. Access reviews continued on lower class roads with thirty-five locations being examined for safety and access conditions.

Central Region Traffic Operations

The Traffic Operations section is responsible for the installation and maintenance of highway signs, highway markings, highway lighting, traffic signals and the Highway Information Signage System. The section is also responsible for access control and collection of fees for entrance way installations.

Highway Signage

One full time and one part time sign crew erected and maintained signage throughout the region. In addition to this, crews continued to erect and maintain detours for highway construction sites.

Highway Markings

The highway markings in the Region are placed by Departmental crews. These crews place markings for centre line, edge line, lane lines, as well as turning arrows and channelization islands.

Centre line markings were applied to approximately **700** kilometres of paved highways and **60** kilometres of asphalt resurfacing. Shoulder lines or edge lines were painted on approximately **160** kilometres of highway.

Highway Lighting

Highway lighting is maintained under two maintenance contracts: Queens County and Hillsborough Bridge. Maintenance of traffic signals, flashing beacons, etc., was carried out as required.

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New traffic signals were installed at Milton, at the intersection of Route 2 and 7, and the Charlottetown Perimeter Highway at Kensington Road Intersection.

Changes were made to the signal phasing along the Charlottetown Perimeter Highway. All intersections along this route are now eight-phase operation(?????), which allows traffic to move more efficiently through the intersections.

Flashing beacons or heavy barricades, as well as portable flashing arrow boards, were used at several locations for bridge construction, road construction and detours.

Highway Information Signage System

All highway information signs were erected and maintained by the Traffic Operations Section. One day per week was required of the sign crews in May, June, and July to keep up with the demand of this program.

There were approximately **175** new signs installed this year. The program has approximately **525** standards and **1,000** signs in the Region. There continues to be a high turnover of businesses in the program. Signs that are no longer required are stripped and re-used.

Access Control

Access controls for subdivisions or building permits were reviewed at approximately **80** locations. Access to arterial highways requires an Entrance Way Permit under the Roads Act Arterial Regulations. Approximately **20** of these applications were handled this year. The Department also responded to numerous inquiries on these regulations.

Eastern Region Traffic Operations

Highway Signage

Installation and maintenance of highway signs were carried out by one full-time sign crew based out of Souris and one part-time sign crew based out of Charlottetown. In addition to highway signs, the crews were responsible for the installation and maintenance of the Highway Information Signage System, as well as signing detours and some construction signage. Due to the mild winter, snow plow damage was light. The problem with Halloween damage appears to have diminished over the years, although there are instances of isolated vandalism and theft of signs.

Highway Information Signs

Administration of the Highway Information Signage System was carried out by the Department of Economic Development and Tourism. Sign orders were passed on to the provincial sign shop in Tignish and after manufacture, were installed by the regional sign crews. There were 136 new signs manufactured for new clients and 84 signs that were damaged or faded were replaced. There were 85 signs removed for clients who are no longer in the program. There were 350 old sign blanks chemically stripped for re-use.

Highway Marking

Centerline marking was applied to approximately 960 km of existing highway by the centerline striping machine based out of Charlottetown. In addition to this, 62 kilometres of new construction was pre-marked and painted. Shoulder lines and lane lines were applied to 146 kilometres of arterial highway. Edge lines were painted on approximately 30 km of arterial highway.

Intersections in the region were re-painted by the intersection marking crew, based out of Kings County.

Highway Lighting

Maintenance of highway lighting was carried out by Don MacLeod Electric in Queens County and by Palmer Electric in Kings County.

Area Lighting was improved by adding one 180 watt Low Pressure Sodium light at the intersection of Routes 2 and 308 in Rollo Bay.

Flashing beacons and lighted barricades were used for detours and in advance of some major highway construction projects.

Access Control

There were twelve applications for access to arterial highways that were evaluated for entrance way permits. In addition to this, 25 requests for sight distance evaluations were received and from Provincial Affairs and responded to.

MATERIALS AND SOILS SECTION 1999

A total of eleven plants were engaged in the production of asphaltic concrete. Drum type mixers made up 100 percent of the asphalt plants in the Province.

Asphalt

Approximately 300,000 tonnes of asphaltic concrete was produced in 1999. This included binder course, surface course, levelling course and maintenance mixes. A price adjusted, end result specification was applied to hot mix compaction on specified contracts.

Daily inspection was carried out at each of the eleven plants to control the quality of the mix produced. A total of 850 asphalt mix samples were collected and analysed for compliance with Department Specifications. This resulted in a testing frequency of one test for every 353 tonnes of asphalt mix produced. A total of 1083 cores were removed from the contracts to determine compliance with compaction and thickness requirements.

The use of local aggregates was limited to blend sands. The type and amount of testing carried out to ensure the quality of the aggregates is noted below.

Test	No. of Tests
Sieve Analysis	1433
Specific Gravity	129
Soundness	40
Abrasion	13
Petrographic Number	13
Crush Count	13
Sand Equivalent	15
Flat & Elongated Particles	13
Micro-Deval	30

In addition 27 Marshall Mix designs were carried out to determine aggregate proportions and optimum asphalt cement contents.

Asphalt cement specification compliance testing was performed on 120/150, 150/200 and 200/300 penetration grade asphalt cement. A total of 80 samples were taken.

Test	No. of Tests
Specific Gravity	63
Kinematic Viscosity	25
Penetration	60

Soils

Soils testing dealt mainly with pulverized asphalt and soil-cement, granular base course, and select borrow. Tests carried out on these materials included sieve analysis, moisture-density relationship, specific gravity, abrasion loss and soundness. A total of 763 samples were processed during the year.

Test	No. of Tests
Sieve Analysis	763
Moisture-Density	49
Hydrometer	0
Abrasion	1
Crush Count-Flat & Elongated	0
Atterburg Limits	0
Soundness	0
Compaction Test	1542
Specific Gravity	9

The continued use of the Lab's mobile drilling unit permitted comprehensive subgrade investigations to be carried out. A total of 1147 samples were obtained from 45 different contracts. On these samples, 1143 sieve analysis and 1143 moisture contents were performed. In addition, 77 atterberg limit tests, 54 hydrometer analysis and 126 organic indicator tests were performed.

Concrete

Testing and inspection services were provided for the following Projects:

Charlottetown Perimeter Highway	=	28 Cyl.
Howlan Bridge	=	7 Cyl.
Lakeville Bridge	=	12 Cyl.
Malpeque Road (Milton)	=	3 Cyl.
Montague Road (Bells Hill)	=	3 Cyl.
Murray River (Rte. 4)	=	21 Cyl.
Pooles Corner Intersection	=	6 Cyl.
Sally's Beach (Kings County Maint.)	=	3 Cyl.
Stratford Survey Monuments	=	3 Cyl.
Vernon Bridge	=	31 Cyl.

A total of 117 concrete test cylinders were tested for compressive strength. In addition 54 slump tests and 50 air content tests were performed.

Benkelman Beam

The deflection testing program continued to provide information for overlay thickness design and the spring weight restriction program.

Profilograph

A price adjusted smoothness specification was implemented on reconstruction contracts.

Provincial Sign Shop Operation

April 1, 1999 - March 31, 2000

The Sign Shop continued with sign production for the province, employing two full-time permanent employees and two to three casual employees as required. Two extra casual employees were hired to help with production of 911 Road Name Signage, between the months of May to September, although funding for their salaries was partially funded by the 911 Project.

The following is a breakdown of the signage produced this year at the Provincial Sign Shop:

County	Prince	Queens	Kings
Directional	51	125	142
Regulation and Warning	1565	121	77
Route Assemblies	195	90	587
Community	38	13	50
Street Signage	66	366	379
Construction	220		50
HISS	159	142	248
911 Road Name Signage	797	340	824
Total	3091	1197	2357

Signs sent to Charlottetown Stock	2538
Construction signs sent to Ch'town Stock	776
Specialty signs within Transportation	248
Signs made for other departments	305
Municipalities	110
Silkscreen (other companies)	11
Construction (other companies)	76
Barricade Stringers made for Transportation	50
Barricade Stands made for Transportation	100
Metal Delineators made for Transportation	2400
Responding to Community Needs Boards	25
Rails to Trails Project Signs	404
Rails to Trails Delineators	1000
Parks Canada	242
Total	8285
Prince County	3091
Queens County	1197
Kings County	2357
Grand Total	**14,930**

ENGINEERING SERVICES SECTION

The Engineering Services Section is responsible for the following activities:

-Mapping and Geographic Information System (GIS-T)
-Surveys
-Subdivision Development
-Departmental Records Management
-General Provisions and Contract Specifications for Highway Construction
-Weigh Scale Contract Quantities
-Pavement Management
-Policy

During the year the bulk of the Policy and Planning activities previously undertaken were shifted to the Strategic Planning and Development Division.

In addition, the Section provided considerable research, data analysis, applicable expertise, and graphic presentation capabilities to other Divisions of the Department and other Departments on historical infrastructure records; highway access; weight regulations; accident review; traffic data; commercial development; and various designs. The Section also maintains the Department library of technical publications.

Mapping and Geographic Information System (GIS-T)

The Engineering Services Section continued developing GIS-T projects and proposals with a number of initiatives being made to promote and present the usefulness of GIS to the Department. A variety of databases have been incorporated into projects and we have made initial steps to implement an enterprise GIS-T.

Presentations were also made to secure funding to support a Land Use Survey. The Section worked with Agriculture and Forestry, the main proponent of this initiative, to raise awareness of the need to replace our thirty-year-old orthophotos with new digital imagery. Aerial photography of a portion of the Island was flown in 1999 to test the latest scanning and rectification technology; this sample also clearly illustrated the advantages of using digital imagery.

A study was made of the implications a coordinate grid shift will have on the Department's mapping data. Considerable effort will be required to make the change; however, the benefits of a coordinate system compatible with current mapping and surveying technologies that will be used throughout government will outweigh these costs.

Mapping products continue to be generated with MicroStation. More than 400 maps were prepared for Elections PEI to aide their coordination of provincial and municipal

elections. These maps were later converted to an interactive format that enabled quick map retrieval and printing. The first comprehensive Provincial Survey Monument Atlas was produced this year complete with full indexing of all coordinate information.

GIS expertise continues to be applied to help determine the truck trip movements originating from resource industries. Efforts continue to be concentrated on the movement of potatoes, and additional work has taken place on the movement of forest products. This work has utilized forestry stand data from the Department of Agriculture and Forestry land inventory. This information will provide data to help determine the potential truck trips on the secondary roads, enabling better planning to accommodate the industry and appropriate design levels to suit the demands of the truck traffic.

Surveys

This Section provides council on specific legal and technical aspects as they relate to land surveying in Prince Edward Island. It maintains a close working relationship with Government groups in various Departments, including the Planning and Design Section, Risk Management and Insurance Section, Taxation and Property Records Division, and the Legal Services Division. This service is also provided to lawyers, land surveyors, and engineering professionals throughout the Province and abroad. This Section fulfills the following essential functions:

-Provide timely, comprehensive, and efficient land surveying and engineering surveying services on public roads and provincial lands;
-Collect evidence and provide council on the legal nature (public or private) of particular roads, rights-of-way, and public easements in this province;
-Maintenance and management of our provincial control survey networks and provide technical assistance to various GPS/GIS users on our provincial datum and mapping plane;
-Maintain a library of documentary evidence and case law related to land surveying in Prince Edward Island and other provinces;
-Coordinate survey training sessions and develop standards for engineering and legal surveying crews within the Department; coordinate and implement quality control standards for the collection of engineering surveying data to ensure accuracy and reliance sufficient to meet engineering design standards;
-Provide a mechanism for the equitable resolution of boundary uncertainties.

To help complete these various tasks, the Section is composed of a senior survey technician, a survey/research technician, a part time researcher, and two survey crews consisting of one crew chief and two technicians all under the guidance of the Provincial Chief Surveyor. The entire group is specially trained in the collection and evaluation of boundary evidence and common law concepts as they relate to land surveying.

Several surveying projects completed this year include the retracement of road boundaries in Morell, Cardigan, St. Peters and New Dominion. These surveys identified existing road boundaries to ensure that construction occurred well within these boundaries, and identified additional lands to be purchased as required. Other land and engineering surveys were completed on lands in Summerside (Summerside Intermediate School), Murray River (New Golf Site), and on other lands where encroachments were discovered.

Dealing with disputes over public roads consumed a major portion of our resources again this year. Often at issue are shore access roads barred from public use by an adjoining land owner. Discovering evidence to substantiate a road is public can often be as difficult as mediating surrounding issues such as public access and privacy with adjoining land owners and the public at large.

Survey monument maintenance this year included the reconnaissance of 150 sites for proposed new control monuments. Monuments to be installed consist of either a brass cap embedded atop a concrete pillar or a 1.6 metre pipe fitted with an inscribed cap and protective collar in more urban areas. Proposals from contractors were received and a contractor was chosen to install 15 monuments in the Stratford area as a pilot project. If successful, the contractor will continue with the installation of approximately 200 monuments in the next fiscal year.

In sharing technologies and initiatives with neighbouring provinces, this office also coordinated the development of software to allow for the datum transfer of various GIS files to the NAD83 datum with the Control Survey Section of Service New Brunswick. A project of the Geomatics Section of the Department of Provincial Treasury, its timely development will also enable the digital ortho-rectification of this year's aerial photography campaign to the NAD83 datum. An important by-product arising from the creation of this software was the readjustment and production of NAD83 coordinates for the entire provincial survey control network. A proof of concept exercise is also planned in the new year to determine the relative accuracy of the adjusted coordinates compared with NAD83 (CSRS) coordinates observed by GPS. The purpose is to establish a comfort level and eventually publish adjusted NAD83 (CSRS) coordinates at an accuracy comparable to GPS observations on the entire provincial network.

The Government of Prince Edward Island, through this office, entered into a new partnership with the Canadian Council on Geomatics with other provincial governments and the federal government that will see the development and delivery of a Canadian real-time correction service for the Global Positioning System via Canada's MSAT-1 Satellite. This correction service will be available to GPS users Canada-wide and is expected to provide metre level positioning for such applications as precision farming, fleet management and emergency response. Development proposals were reviewed and discussions are to be completed between the steering committee and a selected communications company on technology development, signal delivery and scheduled deliverables.

This Section is also responsible for the administration of various statues relating to land contained in such legislation as the *Land Survey Act*, *Land Surveyors Act*, *Condominium Act*, *Oil and Natural Gas Act*, *Mineral Resources Act* and the *Roads Act*.

Subdivision Development

Subdivision development involved dealing with the past, current, or future development of more than 35 subdivisions in various phases. Construction was active on 14 of these with either grading or paving taking place. Development policy requires that the developers hire the engineers and contractors to do the work. The developers are required to provide the necessary security to insure that the road be constructed satisfactorily when deeding the road to the province. The primary areas for development were Stratford and Cornwall.

Departmental Records Management

The Engineering Services Section, under the direction of the Records Manager, maintains responsibility for the operation and development of the Departmental Records Management Program and ensuring that the Department complies with the acts and legislation governing the handling of government records.

General Provisions and Contract Specifications for Highway Construction

The Section maintains the Department's "General Provisions and Contract Specifications for Highway Construction Manual." Each year the Section brings together the Specifications Review Committee from other Sections/Divisions of the Department to review and update the Manual. The tasks of the Committee are:

-promote Departmental uniformity in the application of specifications;
-clarify specifications to ensure the intent is clear, concise, complete and consistently interpreted;
-correct weak, ambiguous or misused specifications;
-improve overall work quality through provisions and specifications;
-determine which issues we must address and approve recommendations;
-ensure that the specifications reflect technological advancements;
-determine the direction of future specifications (i.e., end product specification);
-determine quality control and quality assurance roles;
-provide communication channels for Department personnel;
-allocate staff and resources to the resolution of issues;
-ensure that the specifications advance with information technology (i.e., digital access, specification tailored software);

-identify specifications with poor cost/benefit ratios.

The Section then publishes the revisions and distributes them to the 200+ Manual holders. All Manual holders are registered and payments are collected from new subscribers. Revisions to 44 sections of the Manual were distributed in March. Many revisions were related to changes in the Environment Section and additions to the Concrete Section.

Weigh Scale Contract Quantities

The Section is responsible for ensuring current and accurate totals of all materials paid by weight and volume on all highway construction and maintenance projects. The Section provides data entry of material tickets for progress payments on all highway construction and oversees the same for maintenance projects. Training is provided to all provincial weighers and checkers with Measurement Canada and Highway Safety Division to ensure that there is compliance to the Federal Weights and Measures Act and the Roads Act Vehicle Weight and Regulations.

The Section assists in the development and training of the Construction Analysis and Tracking System designed to assist the Department with tracking and managing their capital and maintenance projects for roads.

Pavement Management

The administration and operation of Pavement Management changed from the Planning and Design Section to the Engineering Services Section during this fiscal year. During the same period, Pavement Management took over management of the Integrated Traffic Monitoring System (ITMS), the Canadian - Strategic Highway Research Project (C-SHRP), and the Weigh-In-Motion (WIM) systems. These systems were previously managed by an engineer who stayed with the Planning and Design Section.

Year 2000 Compliancy Testing

Year 2000 software was purchased, tested and installed in our Weigh-in-Motion computers, and, where required, Bios cards were installed to ensure that the Weigh-in-Motion computers and systems were year 2000 compliant. Marksman traffic counters, Archer traffic classifiers, and the hardware and software in the Permanent count stations were tested for year 2000 compliance. Where required, software was procured and installed to update the equipment and software.

Pavement Condition Monitoring System - PCMSSE

The new Pavement Condition Monitoring System continued to have software development problems that had to be addressed by the consultant. A final beta-test

version was delivered to the Department in January 2000. At year end the software was being tested for proper functioning. One concern is that the software and data file structure does not conform with the Department's database standards. Before the contract was let, the Section was not made aware that the Department had identified standards for software and data storage. Another problem hindering the installation of the PCMSSE information system is the uncertainty of space on a computer data server within the Department that would have electronic accessibility to our outlying offices in Summerside, Georgetown, Mt. Stewart and Tignish.

Weigh In Motion System - WIM

The Weigh-In-Motion system management and operation came under Pavement Management this year. This system has five sites that weigh and classify vehicles at highway speeds. The data is used by the Department for truck weight monitoring, asphalt design and is supplied to any of the research projects with which the Department is involved. The maintenance and data handling for this system are voluminous and require a high proportion of staff time. This year saw the relocating of one WIM site from Greenvale on Rte 2 to Springfield on Rte 2. This was necessary because of severe asphalt deterioration at Greenvale that caused the sensors in the asphalt to fail and break.

Canadian - Strategic Highway Research Project C-SHRP

The C-SHRP research activities were transferred to Pavement Management this year. The Department supports and participates in C-SHRP that is interrelated the United States - Strategic Highway Research Project (US-SHRP) and the Long Term Pavement Performance Study (LTPP) research projects. The term of each of these studies is 20 years. We maintain three US-SHRP asphalt test sites and one C-SHRP asphalt test site. At these four sites the Department collects several sets of data every year. This year was the halfway point (year 10) of the 20-year LTPP Study of the asphalt at the C-SHRP site. As part of the year 10 activities, the Department took almost 1100kg of asphalt, subgrade and base material from the study lane at the Breadalbane test site on Route 2. This was sent to Quebec to be analysed so that the results could be included in the database of the provincial asphalt test sites.

Integrated Traffic Monitoring System

The management of this system moved under Pavement Management this year. The traffic counting operation has always been a part of Pavement Management but the management of the ITMS information system, data manipulation, and yearly analysis had been done by a planning engineer. During the year, a Terms of Reference was developed to upgrade the ITMS from DOS to a Windows-based environment. The TOR was not approved because of financial constraints. There was departmental agreement

that the system must be quickly moved from DOS, as this level of processing is not being supported by many users anymore.

This was the first time in five years that new traffic counting detection loops were installed. In-lane traffic sensor loops in the asphalt are lost annually due to roadway construction and the freeze/thaw processes of our climate. A total of 44 loop sensors were installed in various locations around the province to update our permanent and temporary traffic monitoring locations. Because of highway upgrading and repainting, sensor loops were installed in each traffic lane at two permanent traffic monitoring stations on multi-lane highways.

Twelve permanent count stations record two-way traffic, 24 hours a day, 365 days a year. The Average Annual Daily Traffic (AADT) recorded from these sites showed an increase in traffic of 3.8% from 1998-1999 (see Notes #1-3 below Table). This calculation did not include the permanent count sites at North River Causeway or Cherry Valley, both on our TCH, because of machine or road sensor failures. This Section continued to install, operate and monitor approximately 65 temporary count sites, 46 Automated Vehicle Classification sites, 5 Weigh-in-Motion sites. In addition, manual classification/turning movement counts were recorded at 25 intersections.

An ongoing process of verification of all permanent traffic monitoring sites, implemented in 1998, has been continued this year. Failures due to individual lane sensor problems should be more quickly detected and repaired in the future.

The Table below shows 11 permanent count sites and their respective 1998 and 1999 AADTs. Nine of the 11 sites were used to calculate the provincial traffic growth for Prince Edward Island that showed an increase of 3.9% for 1999 traffic, over 1998.

Perm. Traffic Monitoring Sites	Annual Average Daily Traffic - AADT		Notes	Annual Chg as %
	1998	1999		1999/1998
Tryon	4001	4063		1.5
North River	16696	n/a	see note #1	n/a
Cherry Valley	5490	6548	see note #2	n/a
Marie	2439	2524		3.5
Pleasant Valley	4562	4889		7.2
Richmond	4479	4915		9.7
Cavendish	1866	1946		4.3
Milton	1923	2003		4.2
O'Leary	1612	1658		2.9
Confed' Bridge	4370	4410	see note #3	1
Albany	3990	4004		0.4
		Provincial Annual % change in traffic for 1999:		+3.9%

Note #1: 1, of 4, individual lane traffic sensors malfunctioned in 1999.
Note #2: Expanded traffic sensors from 1 across three lanes to 3, one in each lane.
Note #3: The Gateway Village Exit Ramp (off the Confederation Bridge) is included in the Confederation Bridge traffic figures in the above table.

POLICY

Private Roads

The Engineering Services Section worked with staff from the Department of Community Affairs and Attorney General to review various options related to the potential for the Department to accept private roads as public. Issues related to legal ownership, right-of-way width, construction standards, maintenance costs, and taxation structures were reviewed before a report was submitted to the Strategic Planning Committee.

Atlantic Provinces Freight Transportation Study

Transport Canada initiated a study of freight movements to, from and within the Atlantic Region in 1998. The four provinces accepted Transport Canada's invitation to participate on the project steering committee. Transport Canada has conducted, or is

conducting, similar work in other regions of the country. The primary consultant on the Atlantic study is Coles Associates. The study was completed in January 2000.

Atlantic Provinces Transportation Commission

The mandate and the mission of the APTC have changed from an organization primarily focussed on ensuring shippers received the applicable tariffs and subsidies under a regulated system to one of transportation information disseminator in the deregulated environment. The advocacy role regarding efficient, effective and available transportation options continued until March 2000. The withdraw of sufficient funding by New Brunswick and Nova Scotia in early 2000, resulted in the decision to terminate the APTC in April of 2000.

During 1999 the APTC dealt with concerns about air fares, Atlantic association of airports, border crossings, national highway program, vehicle weights and dimensions, toll roads, trade corridors, Newfoundland ferry services, fuel prices, trucker blockades, climate change, railway mergers and rail abandonments. The final effort by the APTC was a regional seminar on Intelligent Transportation Systems. Discussions have begun on addressing the policy discussion void that may result from the dissolution of the APTC.

Canadian Transportation Research Forum

Through an annual national conference, a semi-annual conference, a paper competition, published proceedings, a scholarship program, and a web site, the CTRF encourages and promotes research in all aspects of transportation, provides a forum for the exchange of ideas and research results and for the discussion of transportation issues. The Section has been involved with preparations for the 35th Annual Conference to be held in Charlottetown in June 2000.

Eastern Border Transportation Coalition

North-South and East-West trade, including tourism, is expanding. A number of jurisdictions in Canada and the US have united to form regional and trans border corridor interest groups. Trade and transportation corridors link major population centres and areas of economic activity.

The Eastern Border Transportation Coalition consists of Canadian jurisdictions Ontario and east, and a number of US jurisdictions Michigan and east. Prince Edward Island is a member and is participating to establish corridors to expedite the movement of goods and people in Atlantic Canada and the Eastern United States and to reduce the regulatory, administrative and institutional burdens on carriers by the harmonization of standards and procedures to facilitate the movement of goods and people internally, between provinces within Canada, internationally, between Canada and the US, and with individual states of the US For example, trucks should not have to be re-weighed and reinspected by every jurisdiction. With free trade, and the technology available

today, crossing borders (international and interprovincial) should be more readily achieved thus creating significant time savings and efficiencies in the movement of goods across borders.

The EBTC continued to lobby the US Government to reconsider Section 110 of the US Immigration Act during 1999. Section 110 would cause serious delay at border crossings if implemented as it would require US Customs and Immigration officers to obtain names and other information from every person entering and exiting the US.

The EBTC continued to facilitate the involvement of US jurisdictions in the Canadian Roadside Truck Survey, obtaining more data from border crossings and enlisting the support of individual states. The EBTC is developing a strategic plan and an electronic newsletter and looking to update current databases, and participate in surveys and projects to improve border crossing movements.

HIGHWAY MAINTENANCE DIVISION

GENERAL

The Highway Maintenance Division provides a full range of operations and maintenance services on the entire provincial highway system. The Division is organized by function into the following sections and work units:

Provincial Headquarters
-Central management functions, program development, budgeting, inventory control, bulk purchasing, contracts preparation,
-Technical services relating to standardized policy and procedure for work crews, and staff training and development.

Highway Maintenance - Kings, Queens, Prince county regional Operations Maintenance and superintendence of all provincially owned roads across the Province.
-Services include, pavement surface maintenance, roadside maintenance, drainage and stormwater, unpaved roads, dust control, snow & ice control
(maintenance of signage, pavement marking and traffic control devices is provided by others).

Mechanical Branch - Kings, Queens, Prince county operations

-Supply and general management of a large fleet of heavy equipment and light vehicles used directly to execute the work programs delivered by the respective county operations.
-Provision of skilled operators and equipment operation

Bridge Maintenance Inspection, maintenance and repair of all major water crossing structures.

CORRUGATED STEEL PIPE

The value of corrugated steel pipe purchased by the Department for its maintenance projects during the 1999-2000 season was as follows:

PLANTS	VALUE
Maritime Steel (Milton Plant)	$455,918
Maritime Steel (Bloomfield Plant)	$109,098
Campbell's Concrete	$169,362
Atlantic Hy-Span	$66,709
Total	**$801,087**

Three separate tenders were issued (one for each region) and lowest tenders were awarded accordingly. Excluding couplings, catch basins, elbows and T-joints the following footage was purchased by the Highway Maintenance Division:

DIAMETER	LIN. FT.
300 mm	1880
400 mm	5200
500 mm	10800
600 mm	4554
800 mm	1528
900 mm	234
Total	**24196**

POLYETHYLENE PIPE

During 1999-2000 the Department also tendered and purchased 4000 lin. ft of polyethylene culvert which was installed in various locations throughout the Province. The Department will continue to monitor this installation on an ongoing basis to determine the feasibility of using this relatively new product.

USED CULVERT

In an attempt to lower expenditures, the Department developed a policy of reusing some used culvert to bridge various woodlot, farm and private home entrance ways. This allows the Department to realize a savings of approximately $33,000 during 1999.

HYDRO SEEDING REPORT

The Department's hydro seeding crew continued to provide service to both the Highway Maintenance and Capital Projects (Highway Construction) Divisions. As in previous years, this crew attempted to operate on a cost-recovery basis. All materials, labour and equipment utilized was internally invoiced and charged back to the appropriate projects, resulting in the crew being able to subsidize itself fully.

Total areas seeded: 145,100m^2

Hydro seeding materials tendered during 1999 included:

Grass seed	5.8 tonnes
Limestone	180 tonnes
Fertilizer	50 tonnes
Rye	1.8 tonnes
Oats	2.4 tonnes
Erosion Control	3000 m^2
Blankets	

TECHNICAL SERVICES

The Technical Services Section in it's second year of operation, continued to provide required training programs and develop standardized work procedures for the benefit of front-line maintenance staff. All training to date has been in-house utilizing resident expertise. In selected areas, other provincial Departments have participated (e.g. Forestry Division).

Subject matter was not limited to but included:

-Occupational Health & Safety Regulations
-First Aid & CPR
-Work Zone Safety
-Employee Orientation
-Highway Maintenance Procedures & Policies
-Asphalt Patching Workshops
-Chain Saw Operation Certification
-Confined Space Training

In excess of 800 employees received training ranging from ½ day workshops to one week sessions. Efforts resulted in an increase in productivity and a higher level of performance, as well as a much improved awareness of Occupational Health & Safety Act issues and on site safety.

EASTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the first week in June to the second week in November. A total of 30,844.23 tonnes was used by the branch in repairing the Province's paved road network and financed from the pavement maintenance budget. Hand patching crews spread 7,543.99 tonnes. Our spreader crew resurfaced 29.5 kilometres of badly distressed pavement with 19,773 tonnes of asphalt. Deep patching crews jackhammered out some severely damaged sections and repaired them with approximately 2,737 tonnes.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Matheson & MacMillan	9565.34
Chapman Bros. Construction	21278.89
Total	**30844.23**

RESURFACING

The following roads were resurfaced with one lift of asphalt using a government-owned spreader:

Zone 1

ROAD	KILOMETRES
Lower Rollo Bay	0.76
Souris River	0.5
New Zealand	1.04
Bear River	1.34
East Baltic	1.02
Basin Head (Kingsboro)	0.52
Green Street	0.15
Total	**5.33**

Zone 2

ROAD	KILOMETRES
St. Peters Harbour	1.46
St. Patricks	1.01
Monticello	1.01
Church	0.71
St. Charles	0.6
Fortune	0.91
Total	**5.7**

Zone 3

ROAD	KILOMETRES
Strathcona	1.01
Launching	1.05
Poplar Point	1.15
Knox's Dam	0.8
Queens	1.28
Rte. 320 Summerville	0.3
Brudenell Resort Entrance	0.15
Durell Point	1.72
Total	**7.46**

Zone 4

ROAD	KILOMETRES
Whim	0.72
Lower Montague	1.28
Brudenell Point	0.41
Brudenell Point (Section 2)	0.43
Robertson	1.02
MacIntyre	0.21
Total	**4.07**

Zone 5

ROAD	KILOMETRES
Milltown Cross (Intersection Rte. 317 and Rte. 345)	0.72
St. Mary's (Intersection Rte. 318 and Rte. 349)	0.94
St. Mary's (East)	1.08
Hopefield	1.03
Moore Avenue	0.67
Abney	0.95
Riverside Drive	0.52
Church Street	0.34
Poverty Beach	0.69
Total	**6.94**

COUNTY TOTAL

29.50

BUSH CUTTING

During the season we had two Government mechanical bush cutters cutting bushes along our highway. A total of approximately 786 kilometres was cut. The Department hired bush crews for each of the five districts consisting of a foreman, two labourers and a half-ton truck, to follow the mechanical bush cutters to pick up debris and trim where the cutter could not reach. We also used a mechanical brush chipper to eliminate the need to haul away the slash.

ROAD MAINTENANCE

During the past year, our motor graders were used to scrape and maintain our unpaved road network. In some cases, roads were also ditched and loaders and trucks (Department and privately-owned) were used to haul away unsuitable material.

Sandstone and/or gravel was placed as a new surface material and new culverts, driveways or cross pipes, were installed as required.

On our paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included Department or privately-owned ditching machines and trucks. New culverts were installed as required.

Sandstone, gravel and/or rock used to carry out the above tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes were as follows:

SANDSTONE (m3)	GRAVEL (t)	ROCK (m3)
15313	12748.22	2274.84

The amount of culvert material installed was as follows:

SIZE	LENGTH
300mm (12")	356'
450mm (16")	2,379'
500mm (20")	2,521'
600mm (24")	2,014'
750 mm (30")	320'
Other ...15" plastic	148'
20" plastic	70'
24" plastic	120'
36" plastic	40'

GRASS CUTTING

The Department hired one private grass cutter equipped with a rotary mower to maintain 98.3 kilometres of roadside grass. This contractor was contracted to cut grass from the middle of June until the end of September. In addition, three farm tractors equipped with rotary mowers and side cutter attachments were utilized for roadside grass cutting on the balance of approximately 900 kilometres throughout the County.

SHOULDER MATERIAL

During the past season, shoulder material was used to upgrade and repair worn out sections of shoulders on the following roads:

Zone 1

ROAD	KILOMETRES
Souris West	0.5
Lower Rollo Bay	2.4
Munn's	0.05
Souris River	2
Total	**4.95**

Zone 2

ROAD	KILOMETRES
Rte. 002 (Canavoy)	2
Bay Fortune	0.2
Total	**2.2**

Zone 3

ROAD	KILOMETRES
Strathcona	1
Greenfield	0.3
Cheese Factory	0.3
Total	**1.6**

Zone 4

ROAD	KILOMETRES
Rte. 017 (Lower Montague)	1.8
Rte. 017 (Lower Montague)	1.4
Commercial	0.6
Whim	1.4
Robertson	0.7
Queens	0.2
Rte. 325 (Heatherdale)	0.1
Total	**6.2**

Zone 5

ROAD	KILOMETRES
Alan Vaniderstine	0.2
Total	**0.2**

DUST CONTROL

Maintenance crews used 428 - 40 kilogram bags of flaked calcium chloride to control dust in specific locations.

Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of 154,830 litres was used to treat 71.3 kilometres of road. Following is a list of roads to which liquid was applied.

ZONE 1

ROAD	KILOMETRES	LITRES
Gowan Brae	2	7200
St. Catherines	1.4	5040
Manning	0.8	2880
Grant	0.8	2880
Totals	**5**	**18000**

ZONE 2

ROAD	KILOMETRES	LITRES
Mount Hope	1	1800
Mill	1	1800
Sheehan	1	1800
Big Lot	2.1	1810
Bennett	0.3	600
Red House	2.5	4500
Grove Pine	2	3600
Bennett	2.3	4300
Sandy Cape	0.1	100
MacDougall	1.5	2700
Settlement	1.2	1940
River	3.4	5450
St. Patricks	1	1800
Douglas Street	1	1800
Rose	1.2	1850
Totals	**21.6**	**35850**

ZONE 3

ROAD	KILOMETRES	LITRES
Power	0.6	1080
MacDonald	2.8	5040
Knox Dam	3	5400
Prestage	0.8	1440
Greenfield	2.5	9000
Burnt Point	0.7	1260
Ferry Wharf	1.1	1980
Brothers	3.5	12600
Mill	2.4	4320
Lorne Valley	0.2	360
Beach	1	1800
DeGros Marsh (south)	1.5	2700
Totals	**20.1**	**46980**

ZONE 4

ROAD	KILOMETRES	LITRES
Brudenell Point	0.5	1200
Campbell	2.3	5520
Compton	2	4800
Langley	0.7	1680
Loane	2	4800
Totals	**7.5**	**18000**

ZONE 5

ROAD	KILOMETRES	LITRES
Grey's	2	2800
MacPherson	1	1200
Compton	1	1200
Gladstone	3	7000
Bruce	1	1200
Cove	2	5000
Buell	1	2500
Clements	2	6000
Pembroke	0.8	1000
Point Pleasant	1.8	4500
County Line	0.5	1200
Blue's	0.5	1200
Panmure Island	0.5	1200
Totals	**17.1**	**36000**

The accompanying tables give location and extent of work done in each district for the last fiscal year:

Zone 1	DITCHING		OTHER MAINTENANCE ACTIVITIES				
ROAD NAME	PAVED (kms)	UNPAVED (kms)	SHOULDERS (kms)	GRADED (kms)	SURFACED (kms)	TAP DRAINS (kms)	BUSH CUTTING (kms)
St. Margarets (north)							0.4
Rock Berra							2
Priest Pond							0.06
Grant		1.3		1.3			
Souris West			0.5				
Lower Rollo Bay	0.1		2.4				0.05
Munn's			0.05				
Souris River			2				
New Zealand							
Baltic	0.3						
St. Catherines	0.1	0.2			1.3		
East Lake	0.43						
Elmira	0.3						
Kingsboro	0.1						
Lakeville	0.14						
Snake	0.27						
Little Harbour	0.15				0.2		
Souris Line	0.1				2.2		0.1
Gowan Brae	0				0.08		0.06
Black Pond							
Bear River	0.1						
Park		0.65			0.95		

Johnston's		0.1			0.13		0.05
Bull Creek					0.1		
MacAulay					0.23		
Fountain Head					0.6		
Trenholm					0.4		
Paquet					0.08		
Glencorradale							0.1
TOTALS	**1.98**	**2.25**	**4.95**	**1.3**	**6.27**	**0**	**2.82**

Zone 2	**DITCHING**		**OTHER MAINTENANCE ACTIVITIES**				
ROAD NAME	**PAVED (kms)**	**UNPAVED (kms)**	**SHOULDERS (kms)**	**GRADED (kms)**	**SURFACED (kms)**	**TAP DRAINS (kms)**	**BUSH CUTTING (kms)**
Rte. 2 (St. Peters)	0.6						
Cardigan	0.2						
Bennett		0.3					
Church	0.1					1	
Milburn	0.1						0.2
Marsh	0.3						
Dingwell	0.3						
Cemetary		0.6		0.6	0.1	1	
MacDougall		0.2					
Bangor	1						
Callaghan		0.1					0.1
Gill					1.2		
MacPhee (Canavoy)		4			0.5		
Cable Head East	0.4						
Rte. 16 (Cable Head)	0.1						

Rte. 16 (Monticello)							3
Selkirk	0.3						
St. Charles	0.2						4
Old		4		2	0.1	1	
Whitty		0.3		0.3	0.3	2	0.1
Anderson (St. Peters)		2		2			2
MacAdam		0.3					
Fanningbrooke	0.9						
School House					0.8		
Line of Lot	0.1						
Lighthouse (St. Peters Hbr.)					0.1		
MacLeod					1		
Mill					0.2		
Dunn					0.4		
Fortune Bay							0.3
Totals	**4.6**	**11.8**	**0**	**4.9**	**4.7**	**5**	**9.7**

Zone 3	DITCHING		OTHER MAINTENANCE ACTIVITIES				
ROAD NAME	**PAVED (kms)**	**UNPAVED (kms)**	**SHOULDERS (kms)**	**GRADED (kms)**	**SURFACED (kms)**	**TAP DRAINS (kms)**	**BUSH CUTTING (kms)**
Power	0.2			0.2	0.2		
Garland				0.1	0.1		
Mill				0.3	0.3		
Sloan				0.1	0.1		
Degros Marsh (S)				0.2	0.2		
Strathcona			1				
Sally's Beach				1	1		

Knox Dam				1	1		
Greenfield			0.3		0.3		
Burnt Point					0.1		
County Line		2		2	0.3		2
Quinn-Lorne Valley					0.2		
Prestage					0.8		
Robertson				0.3	0.3		
Old Mt. Stewart		0.4		0.4	0.3		4
Cheese Factory		0.3	0.3	0.3	0.2		0.3
Kenny					0.1		
Lighthouse					0.1		
Melrose	0.1						
Owen Wharf					0.1		
French		0.3		0.3	0.3		0.3
Nicholson		0.1		0.1	0.1		1
Sandy Lane		0.3					
Little River		0.3					
Collings				1	1		
MacPhee	0.2						
Martell				0.3	0.3		
Campbell							0.3
Ward				0.7	0.7		
Moar				0.2	0.2		
Walsh				0.2	0.2		
St. Georges	0.3						
Seven Mile	0.2						
North Street					0.1		
Wood Street					0.2		

MacCormack				1.1			
Neil Lane				2			
Totals	**1**	**3.7**	**1.6**	**11.8**	**8.8**	**0**	**7.9**

Zone 4	DITCHING		OTHER MAINTENANCE ACTIVITIES				
ROAD NAME	PAVED (kms)	UNPAVED (kms)	SHOULDERS (kms)	GRADED (kms)	SURFACED (kms)	TAP DRAINS (kms)	BUSH CUTTING (kms)
Lower Montague (Sturgeon)			3.2		1.3		5.05
Robertson			0.7	4	1		
Whim			1.4		0.7		
Brudenell Point		0.4		6	0.4		
Angus Lane		0.92		5.1	0.4		
Commercial	0		0.6				4.5
Queens			0.1				
Heatherdale (316)			0.1				
354:01 (J.P. Lane)				3.6	0.4		3
Valleyfield					0.05		
Loane				9.6			
Wood Islands							
Douses							
French Creek							
Nicholson				0.4			
Lower Montague (43029)							
McRae				5.7		0.1	
Jack Westaway				3			
Lloyd Westaway							
Compton				3.6			
Old Ross Lane							
Wightman's Point							

Shaw's Lane							
Langley				2.1			
MacDonald				2.4			
Brudenell					0.4		
Campbell (43033)				14			
Dewar				1.5			
Thornton				4.6			
County Line				5.4			
MacIntyre Avenue					0.2		
Totals	**0**	**1.32**	**6.1**	**71**	**4.85**	**0.1**	**12.55**

Zone 5	DITCHING		OTHER MAINTENANCE ACTIVITIES				
ROAD NAME	**PAVED (kms)**	**UNPAVED (kms)**	**SHOULDERS (kms)**	**GRADED (kms)**	**SURFACED (kms)**	**TAP DRAINS (kms)**	**BUSH CUTTING (kms)**
Black Brook	0.3	0.5			0.45		0.3
Daly					0.15		
Little Sands Wharf		0.4			0.5		
Grey's					1.8		0.2
Bruce's					2		
County Line					0.2		
MacPherson					0.6		1
Line					0.1		
Campbell					0.25		
Floating Bridge					0.2		
Alan Vanlderstine			0.2		0.3		
Commercial							10
Pt. Pleasant							10

Glenwilliam							0.5
Machon Point							0.4
Beach Point		0.5					0.1
St. Mary's					2		0.3
Cambridge							0.3
Wootons Point					0.5		0.5
Milltown Cross					1		
Riverside Drive					0.5		
Church Street (M. Hbr.)					0.4		
Moore Drive					0.8		
Poverty Beach					0.6		
Brook		1					
Alliston	0.2						
Totals	**0.5**	**2.4**	**0.2**	**0**	**12.35**	**0**	**23.6**

EASTERN REGION: WINTER MAINTENANCE

Winter activities in the eastern region involved salting, sanding and snow removal. Temporary patching of paved roads, water drainage and washout repairs, and any maintenance activities were required to keep our highway system as safe as possible for motoring public. To achieve this end, the following was used:

There were 4,582.76 tonnes of salt purchased.

The Region purchased 23,278 tonnes of blended salt and sand. This blended material consisted of a mixture of 6 percent salt, 30 percent imported, 1/4" minus stone and 64 percent sand. This material was stored at nine (9) sites throughout the Region.

ICE CONTROL

Ice control on sections of Highway 2, 4 and 16, as well as Souris and Montague main streets, including 60 kilometres of road, was maintained by direct salt application. The

remaining approximate 1,125 kilometres was maintained with sand/salt applications involving seventeen hired trucks and six Department trucks.

An additional 3,492 t of blended sand was purchased to recharge the winter sand piles during the 1999-2000 winter season.

WINTER PLOWING

Total snowfall recorded at Environment Canada recording stations in the eastern region were:

	Recorded (cm)			
Month	**East Baltic**	**Bangor**	**Monticello**	**Alliston**
November '99	14.5	20	5	21
December '99	23.6	24	22	12.5
January '00	56.2	70	44	45
February '00	25.1	36	40	33
March '00	20.3	49	40	38
April '00	n/a	7	0	1

The heaviest snowfall for the snow removal season in the eastern region was recorded on March 17, 2000 at the Alliston recording station with a total of 23.0 cms of snow.

Contracted Services:

The following is a breakdown of the contracted snow removal services for the period covered by the 1997-2000 contract, Area 1. This report covers the final year of the contract.

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Truck(s)	Blower(s)
G & P Trucking	56.5	K2		1	3	1
Kenny's Back hoeing Ltd.	101	K3, K4	1	1	2	1
King's Co. Const.	88.1	K2, K3	3	2	2	2
Chapman Bros.	138	K1, K2	3	2	2	2
Francis MacLean	31.1	K3		1	1	

The Department was responsible for plowing 805 kilometres of highway. To this end, 22 plow routes and 2 blower routes were established. The following equipment was assigned and located as follows:

EASTERN REGION

LOCATION	KMS	GRADERS	BLOWERS	LOADERS	TRUCK
South Lake	39.3	1			
Bayfield	32.9	1			
St. Charles	38.3				1
Bangor	39.7				1
Forest Hill	29.7	1			
Savage Harbour	33.9			1	
Morell	35.6				1
St. Teresa's	27.4	1			
Farmington	28.1			1	
Bridgetown	28.6				1
Georgetown	32.2				1
Strathcona	27.2	1			
Cardigan	25.45	1			
Little Pond	32.4	1			
St. Georges	47.9				1
Whim Road	47.65				1

Sturgeon	56.3	1			
Dover	44.5				
Morell East	21.65				1
Guernsey Cove	38.8	1			
Murray River	59.4				1
Gaspereaux	37.5				1
St. Peters			1		
Cardigan			1		
Totals	**805.45**	**9**	**2**	**2**	**11**

CENTRAL REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the last week in May to the first week in November. A total of 44,881.51 tonnes was used in repairing the region's paved road network out of the Pavement Maintenance budget. Hand patching crews spread 11,456.58 tonnes. Our spreader crew resurfaced badly distressed pavement with 28,690.13 tonnes of asphalt. Deep patching crews jack hammered out some severely damaged sections and repaired them with 3,692 tonnes. 1043 tonnes were used to repair damage to driveway culverts that occurred due to frost action.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Island Construction	30633.69
Dennis Construction	6065.21
Chapman Construction	7925.31
Total	**44624.21**

RESURFACING

The following roads were resurfaced with 2" lift of asphalt using a spreader:

ZONE 6

ROAD	KILOMETRES
Iona Road	1
Point Prim	1
Doyle Road	1
Lake Verde	1
Monaghan Road	1
Newtown Road	1
Total	**6**

ZONE 7

ROAD	KILOMETRES
Nightingale Drive	0.3
Winjoe Road	0.2
Keppoch Lane	0.2
Duncan Drive	0.8
Sprucehill/Clearview Dr.	0.4
Rogerson Crescent	0.9
Battery Point	1
Total	**3.8**

ZONE 8

ROAD	KILOMETRES
Donagh Road	1.4
Blooming Point Road	1
Blooming Point Road	1
Mount Albion Road	2.5
Total	**5.9**

ZONE 9

ROAD	KILOMETRES
Stanhope East Road	1
Pleasant Grove Road	2
Bayshore Road	1
East Suffolk Road	2
Total	**6**

ZONE 15

ROAD	KILOMETRES
Union Road	1
Total	**1**

ZONE 16

ROAD	KILOMETRES
West River	2.5
Bannockburn Road	1
New Argyle	1
McKinley Drive	0.5
Total	**5**

ZONE 17

ROAD	KILOMETRES
Appin Road	1
Glenn Valley	1
South Melville	1
Inkermann Road	1
West River Road	1
Total	**5**

ZONE 18

ROAD	KILOMETRES
Rattenbury Road	1.3
Long River Road, East	1.5
Long River Road, West	0.5
Total	**3.3**

CRACKFILLING REPORT

This is a process whereby a hot rubberized compound is used to fill random cracks in the paved highway surface to prevent water from entering into the substructure.

During the 1999 season, the region routed and sealed 43,721 metres of cracks. A total of 39.5 barrels of sealant and 164 bags of lime was used.

GUARDRAIL PROGRAM

This year the region hired one guardrail crew. This crew was used to maintain worn out guardrail on various sections of the highway system across the region. Also, the crew used whipper snippers to cut grass and weeds around guardrails and guideposts in the district.

GRASS CUTTING

The Department used four (4) government owned farm tractors and one privately owned farm tractor equipped with a rotary or flail cutter to maintain 2,136 kms of roadside grass cutting from June to September 1999.

DUST CONTROL

In 1999, 4 tonnes of flaked calcium chloride was used on our unpaved road network for dust control. A total of 234,000 litres of liquid calcium chloride was applied for dust control in the following districts.

DISTRICT	LITRES
6	54000
18	54000
16 & 17	72000
7, 9, & 15	18000
8	54000

ROAD MAINTENANCE

During the past year, our district motor graders were used extensively to scrape and maintain our unpaved road network and to reshape and reditch some others. To aid in the latter operation, loaders and trucks (department and private) were used to haul away unsuitable material. Sandstone and/or gravel was placed for a new surface material and new culverts, driveway or cross pipes were installed as required.

On our paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included department or privately owned ditching machines and sometimes department trucks but mainly privately owned trucks. Again, new culverts, driveway and cross pipes were installed as required.

District Maintenance crews, equipped with one 3 ton truck and one backhoe, were employed in repairing washouts, installing new culverts to accommodate building permits, replacing and resetting other drainage pipes or culverts, and carrying out many other miscellaneous tasks.

The following is the total materials used to carry out the above tasks of surfacing, repairing washouts and replacing drainage pipes:

Sandstone (cm)	Gravel (tonne)	Culverts (cm)	Topsoil (cm)	Gabion Rock (tonne)
25423	6175	10356	580	325

The accompanying tables give the location and extent of work done in each district for the past year.

Zone 6	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
China Point Road							7.8
Queen's Road			0.5				4.3
Valleyfield Rd.							3.2
Murray Harbour Rd.	0.6						14.2
Glencoe St. Rd.		0.5					0.3
Kinross Rd.							2.3
W. Earnscliffe Rd.							5
MacIsaac Lane							0.6
Hermitage Rd.							2.6
MacAuley's Wharf							2.6
Munn's Rd.					0.5		
Gordon Nicholson Rd		0.9		0.9	0.2		0.4
Eddie MacDonald Rd					0.2		0.2
Clow Rd.					0.1		
Drake Rd.	0.1						
Crown Pt. Rd.				0.1	0.1		
Orwell Cove Rd.	0.3						
MacPherson Dam					0.3		
Gibbs Road							1.2
Pinette Rd.							2.8
Garlic Rd.							4.4
Morrison Rd.							1.1

Fairville Rd.							2.8
Belle River Rd.		0.9		0.9	0.9		6.5
Montague Rd.	0.3						13
Shore Rd.							2.9
Pantings Shore							0.7
Lewis Rd.					0.5		5.4
Camp Rd.							3
Fairville Rd.	0.3						
Dawson Road							2.1
Selkirk Road							18.8
Point Prim Road							11.5
Glasbien Road	0.3						1.6
Halliday Wharf							1.6
Melville Road							10.6
Glencoe Road							3.5
Vernon River Road							3.8
Ryans Road							1.9
Culloden Road							3.3
Monaghan Road			1				5
Center Road					0.1		2.4
Wood Islands Road							12.7
Village Green Road	0.3						4.5
Camp Buchanan							1.9
Oceanview Road							5.3
Ponds Road					0.3		
Iris Road							5.2
Stewart Point Rd.							1.2

Franks Road					0.5		
Roseberry Road							7
Avondale Road	0.9						7.4
48 Road	0.2		2				16.3
Newtown Road	0.2						2.9
Iona Road			1				
Trans Canada	0.1						23.8
County Line Rd.		0.9		0.9			

Zone 7	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Anne Cres.	0.3		0.25				
Aptos Dr.	0.025				0.05		
Beacon Hill	0.04						0.4
Brandy Lane	0.125						
Burhoe Sub.	0.045						
Clifton Rd.					0.175		
Falcon Drive	0.04						
Glen Stewart Dr.	0.035						
Kinlock Road	0.06						
Keppoch Road	0.04						2
Keppoch Lane	0.08						0.2
Marion Dr.	0.03						
Rankin Subdivision	0.07						
Tea Hill Road	0.02						
Upper Tea Hill Cr.	0.04						
Cable Heights	0.13		0.1				0.15

Zone 8	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Afton Road		1.7		4.2			0.2
Anderson Road		2.8		3.3			
Avondale Road							2.2
Bedford Road						0.2	
Bethel Road		1.8		1.8		0.5	1.8
Blooming Point Rd.							0.7
Buell Road			0.3				
Cape Briton Rd.		0.4		3.5	0.1	0.1	
Donaldston Road							4
Donagh Rd.						0.6	
Dromore Road	2						
East River Rd.				2.8	0.5		
Feehan's Point Road							
Fort Augustus Road			1.8				5.8
Frenchfort Rd.				1.4			
French Village Road							2.4
Higgin's Rd.		1.1		1.1			
Jones Rd.				1.2			2.1
MacKinnon Pt. Road							
MacEachern Road				1.2	0.1		1.2
Millcove Road		0.8		0.8			
Mini Farms Sub.	0.9					0.8	

Monaghan Rd.							3.6
Mooney Road							
Mt. Herbert Road							1.6
Mt. Stewart	1.2						
Pisquid Road						0.2	2.1
Portage Road				3.6	0.8		3.6
Pt. DesRoches Rd.		6.1		6.1	0.9	1.1	1.7
Queen's Pt. Road		1.1		2.3	1.8		
Red Point Road		1.1	0.8	1.1			
Robinson Rd.					1.2	0.2	
Savage Harbour			1.6	0.4			
Simmon Lane Rd.				1.6			
Tarantum Road							1.7
Tracadie Harbour				0.4			1.9
Watts Road				0.7			1.3
White Road				3.1			3.1

Zone 9	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Bayshore Road	0.1		0.3				
Cass's Rd.							1.1
East Suffolk	0.1						1.9
Friston Road		1.1					4.8
Guerney Rd.					0.15		1.5
Hardy Mill Rd.							1.7
Jenkins Road	0.1						

MacLaughlin Rd.							2.6
MacMillan Pt. Rd.		1.4					3
Millcove Rd.		1.1			0.55		
Normandy Lane					0.1		
Pleasant Gr. Rd	0.2		1.8				4.1
St. Peter's Rd.							0.3
Suffolk Road	0.1	0.1			0.05		6.5
Vickerson Rd.		0.4			0.2		
York Road	0.12		6.7				

Zone 15	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Brackley Pt. Rd.	0.1		3.8				8
Harrington Sub.	0						
Kentyre Rd.							1
Killkenny Road					0.15		1.6
Royalty Junction			0.64		0.2		
Sleepy Hollow Rd.			1.4				
Union Road			0.55				
Winsloe Road	0.12		0.1				

Zone 16	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
South Shore Rd.			0.1				
Rice Point			0.1	0.1			
Rice Point Rd.			0.1				
Camp Road				0.1			
Nine Mile Creek			0.2				
Highland Pk. Rd.				0.1			
Reservation Rd.	0.3		0.3				
Wharf Road							
Cross Road			0.1				
Fairview Road			0.2				
Darrach Road				0.9			
Long Creek Rd.	0.2		0.2				
Rd. to Oyster Shed							0.1
Meadowbank Rd.			0.4				
Lwr. Meadowbank Rd.			0.1				
Cottage Road							0.1
Meadowbank				0.5			
High Point Road		0.1					
Cornwall V	0.3		0.4				
T. C. H.			0.8	0.8	0.3		
Ferry Road			0.2				
York Point Road	0.6		0.4				
Ferry Road			0.3				
Cornwall Road	0.2		0.1				
Lynnwood Road			0.1				

Kingston Road			0.3				
Lakeview Drive			0.1				
Warren Grove Rd.			0.3	0.6		0.6	
Mill Road				0.1			
Moses Sub.			0.1				
Jewell Road	0.1						
Bannockburn Rd.			0.1				
Hampshire Road	0.3		0.2				
O' Connor Sub.			0.1				
Loyalist Road	0.2						
Colville Road	0.3						
Malpeque Road			0.3				
Elliot Park			0.2				
MacKinley Subdivision			0.2				

Zone 17	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
McCourt Road							0.05
Millvale Road	0.1						
Old Princetown Rd.		0.1		0.1			0.05
Old Town Road		0.2					
Rattenbury Road			0.3	0.3			
Freetown Road	0.1						
Lime Rd. Emerald	0.6		0.4	0.4			
Post Office Road	0.4		0.2				

Dixon Road		0.3		0.6			
Elton MacLean Rd.				0.1			
Glen Valley Road			0.4				
7 Keys Road			1.2	1.2			
Springton Road				0.4			
Clyde Road		0.4		0.2			0.05
Dump Road			0.3	0.3			
Johnson Road		0.3		0.3			
MacLeod Road							
Darlington Road			0.3				
N. Wiltshire Road			5.6	5.6			
Bannockburn Rd.			0.2				
Kingston Road			0.6				
Colville Road			0.4				
Quinn Road		0.3		0.5			
Peters Road		0.6		0.2			
Clarkin Road			0.4	0.4			
Riverdale Road	0.3		0.3				
Green Bay Road			0.2	0.6			
Bulger Park Rd.			0.3	0.3			
Green Road	0.4						
Mill Road							
Callaghan Road			0.5	0.5			0.05
McKenna Road		0.4		0.3			
Currie Road		0.3		0.1			
Farrar Road		0.1		0.2			
Appin Road				0.3			
South Melville Rd	0.8		1.3	1.3			

Maplewood Road			0.4	0.4			
Todds Road				0.6			
MacDonald Road			0.2	0.2			
Ross Road		0.2		0.4			
Collette Road				0.4			
Balaklava Road			0.3	0.3			
Westmoreland Rd.			0.3				
Crapaud Back Rd.			0.2	0.2			
Crapaud Road			0.2				
Victoria Road	0.2						
Argyle Shore Rd.			0.2	0.2			
MacQuarrie Rd.			0.3	0.3			
New Argyle Road			0.3	0.3			
St. Catherines Rd.		0.2					
Cameron Road		0.1			0.1		
Shaw Road				1			
MacQuarrie Rd.			0.2				
Rice Point Road	0.2						
MacEachern Rd.			0.2				
Clyde River Rd.	0.3						
West River Rd.	0.3		0.3				
Brookvale Road	0.4		0.4				
Kinkora Road			5				0.6
Canoe Cove			0.2				
Cottage Road					0.1		
TCH			0.3				

Zone 18	DITCHING		OTHER MAINTENANCE ACTIVITIES				
NAME OF ROAD	Paved (kms)	Unpaved (kms)	Shoulders (kms)	Graded (kms)	Surfaced (kms)	Tap Drains (kms)	Bush Cutting (kms)
Bagnall Rd.		1.3		0.5	0.5		
Bernard Rd.		0.4		0.4	0.4		
Brookfield end - Church Rd. 243		0.5					
Buntain Rd. end - Church Rd. 243				0.6	0.6		
Campbell's Pond		0.5					
Cape Rd.		1.7			2.9		
Church Rd. 243	0.4						
Dave Smith Rd.		0.3					
Fountain Rd.					1		
Hazel Grove				0.6			
Howatt Rd.		0.3					
Hurst Rd.		0.1		0.35	0.35		
Kerrytown Rd.					0.9		
Long River North					1.5		
Long River East					0.5		
MacInnis Rd.				0.5	0.5		
MacQuarrie Rd.				0.6	0.6		
New Rd.				0.5	0.5		
New Glasgow - 224 Rte. 13					0.6		
New London Rd.		1.5		2.8	0.5		
Princetown		0.5		0.5	0.5		
Rattenbury					1		

Rte 6 Stanley Bridge	0.3						
Rte. 20					3.4		
Rte. 13					0.4		
Rte. 20							5
Rte. 262							4.4
Rte. 234							3.5
Rte. 6							19
Rte. 238							5
Rte. 239							6
Rte. 240							4.3
Rte. 231							4
Rte. 13							7
Rte. 243							3
Rte. 15							4
Rte. 252							2
12020							1
12025							1
12028							3
Simpson Mill Rd.		0.3		0.85	0.85		
Simpson Mill - Stanley Bridge Rte. 6					3		
Snowie Rd.				0.4	0.4		
Snowie - Line Rd. Rte. 13					1.6		
Thompson Pt.	0.3				0.5		
Wharf Rd.					0.3		

CENTRAL REGION: WINTER MAINTENANCE

ICE CONTROL

Winter activities, for this branch of the Region, include salting and sanding operations, temporary repairs to paved roads (530 tonnes of cold mix asphalt were used along with a number of tonnes of recycled hot mix asphalt produced from our asphalt recycler), repairing of shoulder washout, maintaining and cleaning of culverts, catch basins and ditches to accommodate runoffs caused by freshets, and snow removal or clearing from eight government buildings in the Charlottetown area.

The total tonnage of salt purchased by the Region was 15,625.17 tonnes.

The City of Charlottetown purchased 2,878.54 tonnes of salt from the Department. The Region purchased 42,798.59 tonnes of blended winter sand. The blended material consisted of 6% salt, 20% crushed 1/4 minus stone and 74% local sand. The City purchased 263.0 tonnes of blended sand for its use.

Ice control on the main 185 kilometres of highway, that has a two-lane equivalent of 249 kilometres, was maintained by the direct application of road salt. Four single axle trucks and four tandem trucks were used. Two, of which, were equipped with plowing gear and utilized for this purpose. Ice control on the remaining 1,625 kilometres of road (approximately) was maintained by sand/salt mix obtained from 12 sand stockpiles throughout the County. Twenty-two trucks, equipped with automatic spreaders, were hired to carry out this activity. In addition, five department trucks were utilized to provide this service in the greater Charlottetown area and Town of Stratford.

WINTER PLOWING

Total snowfall recorded at Environment Canada recording stations in the central region were:

	Recorded (cm)			
Month	**Charlottetown**	**Elmwood**	**New Glasgow**	**Vernon Bridge**
November '99	10.8	9.4	10	12
December '99	17.8	19.4	17	17
January '00	55.5	62.2	60	55
February '00	25.1	25.6	25	14
March '00	38.7	40.4	33	36
April '00	4.4	9.4	n/a	0

The heaviest snowfall for the snow removal season in the central region was recorded on March 17, 2000 at the Vernon Bridge recording station with a total of 22.0 cms of snow.

CONTRACTED SERVICES

The following is a breakdown of the contracted snow removal services for the period covered by the 1997-2000 contract. This report covers the final year of the contract.

Area 1:

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Blower(s)	Truck(s)
AK Construction.	65	Zone 17	-	1	1	2
Island Construction	157	Zone 8	3	1	1	2
Island Excavators	97.3	Zone 17 & 19	3	2	1	2
Matheson Constr.	92.8	Zone 17	-	2	1	3
Cecil Pauley Const.	57.1	Zone 6	1	1	1	2

Area 2:

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Blower(s)	Truck(s)
Birt & MacKay	77.3	Zone 8	-	1	1	3
Maritime Const.	108	Zone 17 & 18	-	1	1	4
Matheson & MacMillan	95.9	Zone 9, 18	1	-	1	4
Toombs Plumbing & Heating	34	Zone 18	-	1	-	1

The Region's Government owned equipment was responsible for plowing 761 kilometres this year. To this end, 74 routes were established. The following equipment, including spare equipment, was assigned and located as follows:

QUEENS COUNTY

Location	Graders	Blowers	Loaders	Trucks
TCH West				2
St. Peter Road				1
TCH East				1
Malpeque Road				1
Bedeque/ Kingston Road				1
Stratford	1		2	
Sherwood	1			
Fredericton to Milton *Rental*				1
Pownal/Crossroads			1	
Stanley Bridge/North Rustico	1			
Rice Point/Rocky Point	1			
Rocky Point/Cornwall Road/Meadowbank Rd.				1
Cornwall/North River	2		1	
Rustico Road				1
Southport/Kinlock	1			
Wood Islands Area	1			
Selkirk Road/Vernon River				1
Selkirk Road/Bellevue/ Caledonia				1
Point Prim/Pinette	1			

Kinross/ Earnscliffe				1
TCH East				1
Covehead	1			1
Charlottetown Garage (Includes Covehead & Bedeque Runs)	4	4	6	
Loader - Sand Pile			1	
Loader - Salt Shed *Rental*			1	
Garage Spares	1		1	1
Total	**15**	**4**	**13**	**15**

The following pieces of equipment were used to execute snow removal and de-icing for the Greater Charlottetown areas (North River to Crossroads) including all off-ramps, intersections, main areas, and areas designated with the City Contract.

Location	Graders	Blowers	Loaders	Trucks
Main Areas				2 - 4 Tonne
Southport/Bunbury				1 - 4 Tonne
Off Ramps				1 - 4 Tonne
Sherwood areas				2 - 4 Tonne

SNOW FENCE REPORT

The Region's own forces installed 7,000 metres of snow fence.

WESTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt was available from May to November. A total of 34,100 tonnes was used by the Section in repairing the Region's highway network. Nine Zone crews spread 7,200 tonnes to repair potholes, distressed areas and recap culverts.

Two spreader crews resurfaced 39 kilometres of paved roadways with 23,640 tonnes of asphalt mix.

Two Deep Patch crews spread 3,260 tonnes of asphalt mix to repair severely damaged sections of roadway and to recap cross culverts.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Gaudette's Transit Mix	522
HI Construction	13987
Curran & Briggs	18768
Total	**33277**

BUSH CUTTING

During the season, two mechanical bush cutters, government owned and operated, worked extensively cutting bushes along our rights-of-way. In the Western Region, they cut 2,740 pass kilometres. To supplement these efforts, a crew equipped with a mechanical chipper was employed to gather and shred scattered debris and to trim where mechanical cutters could not reach.

The following is the number of kilometres of bush cutting done using mechanical bush cutters by electoral zone for the Region:

Zone	Pass Km
Zone 19	220
Zone 23	360
Zone 24	410
Zone 25	385
Zone 26	305
Zone 27	350
Total	**2030**

GRASS CUTTING

The Region contracted nine private grass cutters to maintain 786 kilometres of paved roadside grass from the middle of June until the end of September. The remaining 454 kilometres of roadside grass cutting was carried out by three government owned and operated farm tractors equipped with rotary or flail cutters.

GUARDRAIL AND ROADSIDE MAINTENANCE

Two roadside crews were employed within the Region to repair damaged sections of guardrail. Also, these crews with the aid of whipper snipper and hand lawn mowers cut grass and weeds around guardrails and guideposts in each zone.

DUST CONTROL

Flaked Calcium Chloride: 30.8 Tonnes of flaked calcium chloride was purchased for use on our unpaved network to control dust within the Region.

Liquid Calcium Chloride: This past season, 306,020 Litres of 35% liquid calcium solution, was applied by tanker and spray bar to various granular surfaced roads within the Region.

This practice has produced a number of positive results, such as (1) increased safety due to dust control, (2) reduction in dust pollution to crops, (3) reduction in the need for grading, (4) reduction in the need for new granular, and (5) less frost heaving in winter.

ROAD MAINTENANCE

During the past year, our motor graders were used extensively to scrape and maintain our unpaved road network and to reshape and reditch failed sections. To aid in the latter operation, loaders and trucks (Department and/or privately owned) were used to haul away unsuitable material. Sandstone and/or gravel was placed for a new surface and new culverts, driveways, and cross pipes were installed as required. To help alleviated soil erosion, check dams, silt fences and/or hydro seeding were used as the situation warranted.

On our paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included Department or privately owned ditching machines along with Department and / or privately owned trucks. Again, new culverts, driveways and cross pipes were installed as required.

The Zone maintenance crews repaired washouts, installed new culverts to accommodate building permits, replaced and/or reset other drainage culverts, and carried out any other maintenance tasks that were required.

The quantities of sandstone and/or gravel used for maintenance related projects for the Region are as follows:

Sandstone (M3)	**Gravel** (tonne)	**Gabion Rock** (M3)
26233	23548	565

The accompanying tables give the location and extent of work done in each Zone for the past year:

Zone 19	**DITCHING**		**OTHER MAINTENANCE ACTIVITIES**				
NAME OF ROAD	**Paved (kms)**	**Unpaved (kms)**	**Shoulders (kms)**	**Graded (kms)**	**Surfaced (kms)**	**Tap Drains (kms)**	**Bush Cutting (kms)**
Tryon Crossroad		0.7					
Rte # 108	0.8						
Richards Road		0.2					
Corbett Road	0.3						
MacCallum's Pt		0.6					
Rte 1A Bedeque	0.3						
Connelly Road		0.2					
Newton Road	0.3						
Campbell's Pt		0.4					
Rte. 1A Middleton	0.7						
Craig Road		0.8					
Searletown Road	0.5						
Dickie Road	0.3						
Total	**3.2**	**2.9**					

Zone 19	DITCHING		OTHER MAINTENANCE ACTIVITIES		
NAME OF ROAD	**Paved**	**Unpaved**	**Graded**	**Shaled**	**Gravelled**
Tryon Crossroad		0.7	0.7	0.7	
Rte # 108	0.8				
Richards Road		0.2	0.2	0.2	0.2
Corbett Road	0.3				
MacCallum's Pt		0.6	0.6	0.6	
Rte 1A Bedeque	0.3				
Connelly Road		0.2	0.2	0.2	
Newton Road	0.3				
Campbell's Pt		0.4	0.4	0.4	
Rte. 1A Middleton	0.7				
Craig Road		0.8	0.8	0.8	
Searletown Road	0.5				0.2
Dickie Road	0.3				
Total	**3.2**	**2.9**	**2.9**	**2.9**	**0.4**

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cuttir.g."

Zone 20	DITCHING		OTHER MAINTENANCE ACTIVITIES		
NAME OF ROAD	**Paved**	**Unpaved**	**Graded**	**Shaled**	**Gravelled**
Old Town Road		1.2	1.2	1.2	
Indian River Road	0.2				
Baltic Road	0.3				
Murphy Road		1.4	1.4	1.4	
Darnley Road	0.3				
MacEachern Road		0.4			

County Line Margate	0.1	1.4	1.4	1.4	
Heckbert Road				0.5	
Princetown Road		0.2			
County Line Irishtown		1.2			
Twin Shores		0.8		1	
Total	**0.9**	**5.8**	**4**	**5**	**0.5**

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

Zone 23	**DITCHING**		**OTHER MAINTENANCE ACTIVITIES**		
NAME OF ROAD	**Paved**	**Unpaved**	**Graded**	**Shaled**	**Gravelled**
Barlow Road	0.6				
Warren Road	0.6				
Cascumpeque	0.3				
Mill Road	0.4				
Sunnyside Road	0.2				
Bannerman Road		0.2			
Lewis Road		0.4			
Stewart Road		0.8	0.8		0.8
Conway Road		0.4			0.4
Barlow Road		1	1.3		1.3
Burleigh Road		0.3	0.3		0.3
Old Ferry Road		0.9	0.9	0.9	
North Enmore		0.2			
Lennox Island Road		0.3	0.3		0.3
Rte. 12 Ellerslie	0.6				
Total	**2.7**	**4.5**	**3.6**	**0.9**	**3.1**

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

Zone 24	DITCHING		OTHER MAINTENANCE ACTIVITIES		
NAME OF ROAD	**Paved**	**Unpaved**	**Graded**	**Shaled**	**Gravelled**
Union Corner Road	0.2	0.8			0.2
Cyrus Lane					0.2
Airport Road		0.1			0.5
St. Nicholas	0.5				
Ives Point Road	0.1	0.1			0.8
Taddy Road		1.2	1.2		
St. John		1.6		0.4	
Mt. Carmel	0.2				
Urbanville	0.4				
St. Raphael	0.6				
Compton Road		0.3			0.3
Linkletter Road	0.8				
Total	**2.8**	**4.1**	**1.2**	**0.4**	**2**

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

Zone 25	DITCHING		OTHER MAINTENANCE ACTIVITIES		
NAME OF ROAD	**Paved**	**Unpaved**	**Graded**	**Shaled**	**Gravelled**
Doyle Road	1		1	1	
Piusville Road	0.5		0.5	0.5	
Kennedy Road	1		1	1	1
Jack Ellis Road			0.6	0.6	
MacPhee Road			0.2		0.2
Glenwood Road			0.3		0.3
Haliburton Road					0.2

Joe Jerry Road			0.8		0.8
MacDonald Road		0.4			
Glengarry Road		0.8			
Stephen Road		0.6			
Isaac Road		0.6			
Smallwood Road		1.5			
Trainor Road		0.9			
Barclay Road	0.2				
O'Leary Road	0.8				
Division Line		1.5			
Total	**3.5**	**6.3**	**4.4**	**3.1**	**2.5**

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

Zone 26	**DITCHING**		**OTHER MAINTENANCE ACTIVITIES**		
NAME OF ROAD	**Paved**	**Unpaved**	**Graded**	**Shaled**	**Gravelled**
DesRoches Road		0.5			
Ascension Road	0.3				
Green Road		0.2			
St. Felix Road	0.4				
St. Louis Road	0.2	0.1			
Rayner Road	0.3				
Rte. 14	0.4				
Butcher Road	0.2	0.4			
Old Tom Road		1			
Center Line Road		1.1	1.1		1.1
Lambs Lane		0.3	0.3		0.3
Green Mount Road		0.5	0.5		0.5
Palmer Road					1.2

Matthew's Lane					0.6
Total	**1.6**	**4**	**1.9**	**0**	**3.7**

Note: No data was recorded for the columns "shoulders," "tap drains," and "bush cutting."

WESTERN REGION: WINTER MAINTENANCE

ICE CONTROL

Winter activities for this Branch of the Department includes snow removal, salting and sanding operations, temporary repairs to paved roads. Four hundred(400) tonnes of cold mix asphalt was used to make temporary repairs to the paved roads in the Region. Repairs to culverts, catch basins and shoulder washouts were performed as required.

The Department purchased 39,830 tonnes of blended winter sand for the Western region. The blended material consisted of 6% salt added to a sand mixture of 30% crushed 1/4 minus stone and 70% local sand. During the past year there were 11 sand piles located throughout the Western region. Sanding operations were carried out by 21 sanding contractors using Department installed spreaders. In addition, two Department trucks were utilized to provide service in the Linkletter, Slemon Park, Traveller's Rest and Lower New Annan areas. One Department truck equipped with a sand spreader and plow gear sanded 22 kms on Rte 225 from Rte 1A to Rte 13.

The Department purchased 7,560 tonnes of salt for use on approximately 200 kms of highway or the equivalent of 400 pass kms. Six tandem trucks equipped with salt/sand spreaders and snowplow gear were utilized for this purpose.

The Department had snow removal equipment stationed in the following locations in the Region.

PRINCE COUNTY

Location	Kms	Graders	4x4 trucks	Blowers	Loaders	Trucks
Tignish	40.7			2		1
Harper Rd	28.4	1				
Cascumpeque	44.6		1		1	
Bloomfield	45.8					1
Coleman	38.2	1				

Poplar Grove	31.3	1				
Springhill	30.7	1				
Richmond	40.9					1
Albany	27.9		1			
Middleton	22					1
S'Side Garage	112				1	2
S'Side Spares		2	1	3	1	1
Total	**493**	**6**	**4**	**5**	**3**	**7**

SNOW FENCE REPORT

The Department installed approximately 3,500 metres of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

WINTER PLOWING

Total snowfall recorded at Environment Canada recording stations in the western region were:

	Recorded (cm)				
Month	**Alberton**	**O'Leary**	**Tyne Valley**	**Victoria**	**New London**
November '99	2	6	0	2.8	1
December '99	26.6	17	10	23.6	16
January '00	98.4	84	78	89.6	61
February '00	75.6	50	37	31.6	30
March '00	35.6	36	54	54.2	35
April '00	1.6	10	n/a	6.4	0

The heaviest snowfall for the snow removal season in the western region was recorded on January 21, 2000 at the Victoria recording station with a total of 32.2 cms of snow.

CONTRACTED SERVICES

The following is a breakdown of the contracted snow removal services for the period covered by the 1997-2000 contract, Area 2. This report covers the final year of the contract.

Contractor	Kms	Contract Area	Grader(s)	Loader(s)	Blower(s)	Truckplow
Clearview Construction	147.6	Zone 27	2	2	2	5
Harper Construction	86.52	Zone 26	1	1	2	2
HI Construction	91.17	Zone26/25	3	2	1	2
Matthews Lime Spreading	93.21	Zone 25	2	1	1	3
Curran & Briggs	167.3	Zone 23	6	2	2	
AJL Limited	37.72	Zone 24	3	1	1	
Acadia Construction	111.2	Zone24/22	4	2	2	
Westile Construction	111.2	Zone 20,19,22	2	1	1	2
A.K. Construction	152.6	Zone 20/18	2	2	3	5
Duffy Construction	90.66	Zone19/18	1	1	1	4

BRIDGE MAINTENANCE

Bridge Maintenance Section is responsible for the following areas:

- bridges, timber boxes, multi-plated arches, retaining walls, approach rip rap, guardrail located on bridge, approach embankments, etc.;
- environmental procedures during construction;
- development and updating a year by year highway bridge maintenance program;
- overseeing the materials required during the construction year and ordering materials for the next;
- structural inventory;
- structural inspections,
- design and location of small drainage structures,
- special provisions and standing offer contract for bridge maintenance.

In addition to the maintenance work consisting of replacing fill and rip-rap, making small structural repairs and painting, the following is a summary of the work carried out during the year.

KINGS COUNTY

District	Location	Description
1	Bayfield	Installed a multi-plated steel arch being 1.83m in diameter by 18.29m in length
2	Milburn	Constructed a timber ramp being 1.22m x 4.88m in section by 4.88m in length.
3	Brudenell	Constructed a timber ramp being 1.22m x 4.88m in section by 4.88m in length.
3	St. Teresa	Constructed a timber ramp being 1.22m x 4.88m in section by 4.88m in length.
4	Montague	Constructed a timber ramp being 1.22m x 4.88m in section by 4.88m in length.
5	Alliston	Constructed a timber ramp being 1.22m x 4.88m in section by 4.88m in length.

5	Gladstone	Constructed a timber box being 1.22m x 4.88m in section by 4.88m in length.
5	Pt Pleasant	Reconstructed a timber box being 0.91m x 1.52m in section by 23.16m in length.

QUEENS COUNTY

District	Location	Description
8	Bethel	Constructed a three wall timber box being 0.91m x 2.44m in section by 8.23m in length.
9	Cass Pond	Replaced two steel Pipes being 2.44m in diameter by 27.43m in length with two concrete pipes being 1.83m in diameter by 27.43m in length.
16	North River	Constructed a timber catch basin being 1.22m x 1.37m in section by 3.66m in length.
17	Stanchel	Constructed a timber box being 1.22m x 1.83m in section by 36.58m in length.
17	Elliotts	Constructed a timber box being 0.91m x 2.74m in section by 9.14m in length.
18	Millvale	Constructed a timber box being 0.91m x 2.74m in section by 9.75m in length.
18	Sea View	Replaced a 1.22m diameter steel pipes being 6.10m in length with two 1.22m diameter steel pipes being 12.19m in length.
18	Sea View	Constructed a timber box being 0.91m x 1.52m in section by 9.75m in length.
18	Ebenezer	Constructed a timber box being 0.91m x 1.52m in section by 7.92m in length.

PRINCE COUNTY

District	Location	Description
19	Kinkora	Constructed a three wall timber box being 0.91m x 2.13m in section by 10.67m in length.
19	Kinkora	Constructed a timber driveway box being 0.91m x 1.52m in section by 10.97m in length.
19	Augustine Cove	Constructed a three wall timber box being 1.22m x 2.44m in section by 7.92m in length.
19	North Carleton	Constructed a timber driveway box being 0.61m x 0.91m in section by 9.14m in length.
20	Hamilton	Constructed a timber box being 1.22m x 1.83m in section by 14.02m in length.
20	Norboro	Constructed a timber driveway box being 0.76m x 1.52m in section by 14.02m in length.
23	Arlington	Constructed a timber box being 0.76m x 1.83m in section by 7.92m in length.
23	Freeland	Constructed a timber box being 0.91m x 1.52m in section by 30.48m in length.
23	East Bideford	Constructed a timber box being 0.91m x 1.22m in section by 36' in length.
27	Skinners Pond	Constructed a timber box being 0.61m x 1.22m in section by 10.97m in length.

TREATED TIMBER

The value of treated and untreated timber purchased by the Bridge Section for its maintenance and construction projects for the 1999-2000 season was as follows:

COMPANIES	VALUE
Stella. Jones Inc. Truro NS	$110,763.90
John G. MacPherson Eldon	$11,184.00
TOTAL	**$121,947.90**

The value of Steel purchased by the Bridge Section for its maintenance and construction projects for the 1999-2000 season was as follows:

COMPANIES	VALUE
Atlantic Hy-Span (arch)	$ 53,083.09
Atlantic Hy-Span (Guardrail)	$74,275.00
TOTAL	**$127,358.09**

Stream Alteration Permits requested by the Bridge section:

REGION	NEW PERMITS	RENEWALS	TOTAL
Kings	16	15	31
Queens	15	13	28
Prince	15	11	26
Approximate number permits received for 1999			**85**

Bridge Maintenance Section has developed, and continues to have, an excellent working relationship with various environmental agencies, wildlife organizations, Provincial Department of Environmental Resources and the Federal Department of Fisheries and Oceans.

MECHANICAL BRANCH

EXPENDITURES

Operating Budgets for the Mechanical Branch in 1999-2000 totalled $9.2 million, operating expenditures for 1999-2000 totalled $9.4 million this represents an over expenditure of $223,718. The increase in expenditures is a result of the addition of a new Facility and Staff in Bridgetown, increased summer asphalt, and maintenance activities, additional vehicle purchases, (including crew cab trucks to reduce rental costs to the Maintenance Division), increased parts costs, fuel costs and the purchase of additional sand hoppers.

1999-2000 expenditures were distributed in the following manner:

ACTIVITY CENTER	TOTAL
Charlottetown Garage Direct	$2,924,076
Charlottetown Garage Indirect	$994,231
Bridgetown Garage Direct and Indirect	$1,087,200
Summerside Garage Direct	$1,226,900
Summerside Garage Indirect	$166,945
Prince County Operators	$832,529
Queens County Operators	$1,418,938
Kings County Operators	$772,899
Total	**$9,423,718**

EQUIPMENT

In 1999-2000 a total of $670,000 from capital and operating accounts was invested to upgrade the Mechanical Branch fleet. The following equipment was purchased:

2 Tandem Trucks - all season dump and plow gear required for one
6 Automatic sand hoppers
1 All season spreader dump
6 1-ton dump boxes
1 Grader (with plow equip)
1 Loader (with plow equip)
1 Tractor

Each year this report includes a table to show the average fleet ages as an indicator of the progress of the fleet replacement program. The ideal number in the *"% Units Over Half Age"* column is 50%. At any given time, half of the vehicles in the fleet should be older than, and half younger than, 50% of the optimum replacement age. The table shows that the Mechanical Branch fleet still is over age and identifies the problem areas. When compared to last year it shows a decline in fleet age and condition.

1998/99 FLEET AGE INDICATORS

Fleet	Optimum Life	Target Average Age	Actual Average Age	% Units Over Half Age
Light Truck	6	3	6.16	89.79%
4 Ton	9	4.5	8.63	89.47%
Tandem	9	4.5	7.14	61.9%
4x4	20	10	13.65	75.0%
Grader	21	10.5	15.4	73.3%
Loader	19	9.5	16.8	81.25%
Blower	20	10	21.53	100%
Tractor	20	10	11.76	41.4%
Excavator	15	7.5	12	100%
Trailer	15	7.5	13.2	61.6%

REPLACEMENT PROGRAM

A total review of the Department Equipment was undertaken by appropriate staff to determine a replacement program over the next ten (10) years, this program was further refined to determine the most immediate needs of the Department, namely operational requirements and replacement of existing equipment that has exceeded their useful life cycle, this program identifies equipment requirements for years 1 through 5 and the costs necessary to accomplish it.

SYSTEMS

In 1987 the Department introduced an Inventory Management System. This was used for the purpose of delivering accurate fleet operating & maintenance costs. This system has served the Department well. However it had limitations on what information it could provide. In 1999 the Department purchased a new Fleet Management System (Fleet Anywhere).

The Department introduced & went on line with this system in January 2000, as with any new system there have been some problems getting the system up & running to our satisfaction, however it is and will continue to provide us with an accurate account of the Operating and Maintenance costs associated with the Departments fleet of vehicles.

KEY RESULT AREAS

The 1997-98 Annual Report reported that the Mechanical Branch had formally established a number of key result areas. Achievements of key result areas in 1998-99 were as follows:

I) Equipment Availability

This key result area is an indicator of the availability of equipment when acquired by our clients. The measure is in the percentage of vehicles which are not available when required (RNA). The target is less than 1% of primary assets and the result for 1998/99 were .02%. 1999-2000 figures are not available because of the introduction of the new Fleet Management System, however the availability of equipment for the various divisions of the Department would be consistent with the previous year (less than .05%)

ii) Financial Control

The measure for financial control is budget achievement. The target is 100% achievement of budget. In 1999-2000, expenditures exceeded budget by an amount of $664,084 The variance was the result of over expenditures in fuel, tires and parts as a result of increased operational demands, eg., increased service levels throughout the Province. This meant additional equipment & operators. In addition the Department's fleet was increased with the addition of five crew cabs.

iii) Productivity

The productivity indicator is an indicator of mechanic time which is assigned to work orders. The target is 82.8%. This is based on an estimated loss through vacation, sick and training time of approximately 10% and a further allowance for cleanups, and meetings. The results for 1999-2000 are not available because of the introduction of the new Fleet management Program. However, the Mechanical Branch is operating with relatively the same number of Staff in relation to the previous year and providing maintenance and repair activities to more clients and to a larger Departmental Fleet.

iv) Safety

The target in this area of safety is zero lost time incidents per year. In 1998-99, the Mechanical Branch experienced four lost time incidents (Charlottetown-1; Summerside-3 Bridgetown-0) which is a reduction of one

incident at the Charlottetown Garage & an increase of two at the Summerside Garage from the previous year.

v) Training

The Mechanical Branch has established training as a priority and this year we continued to provide training in the following areas:

- First Aid & CPR
- Preventive Maintenance & Pre-Trip Inspection
- Wheels & Rims Maintenance
- Rules of The Road
- WHIMIS
- Safety Attitude & The Human Factor
- Pros Do It Right
- Air Brake Maintenance

All of the above training was provided by employees from within the Branch. We will continue to provide a variety of training in the years to come.

STATEMENT OF ORDINARY EXPENDITURES				
Year Ending March 31, 2000				
DEPARTMENTAL MANAGEMENT				
EXECUTIVE OFFICE				
Salaries	260,223			
Office & Postage	2,865			
Tel & Tel	16,634			
Miscellaneous	14,041			
Equipment	1,438			
Material & Supplies	19,984			
Professional Services	9,220			
Travel & Training	33,559			
Total Executive Office		357,964		
FINANCE, HUMAN RESOURCES &				
OPERATION - DIRECTOR'S OFFICE				
Salaries	236,782			
Office & Postage	2,428			
Tel & Tel	8,710			
Miscellaneous	713			
Equipment	2,963			
Professional Services	7,523			
Travel & Training	16,054			
Total Finance, Human Resources &				
Operation - Director's Office		275,173		
FINANCE SECTION				
Salaries	225,395			

Office & Postage	4,782			
Tel & Tel	4,893			
Miscellaneous	3,112			
Equipment	3,387			
Material & Supplies	10,810			
Professional Services	1,026			
Travel & Training	1,135			
Total Finance Section		254,540		
HUMAN RESOURCES SECTION				
Salaries	327,245			
Office & Postage	1,250			
Tel & Tel	4,461			
Miscellaneous	1,005			
Equipment	8,686			
Material & Supplies	785			
Professional Services	196,521			
Travel & Training	8,935			
Total Human Resources Section		548,888		
HIGHWAY SAFETY DIVISION				
HIGHWAY SAFETY-ADMINISTRATION				
Salaries	75,439			
Office & Postage	1,212			
Tel & Tel	36,136			
Miscellaneous	26,261			
Equipment	31,936			
Material & Supplies	2,919			
Professional Services	10,709			
Travel & Training	2,486			

Total Highway Safety-Administration		187,098		
PROMOTION HIGHWAY SAFETY				
Salaries	421,657			
Office & Postage	1,002			
Tel & Tel	248			
Miscellaneous	3,671			
Equipment	3,768			
Material & Supplies	124,403			
Professional Services	6,857			
Travel & Training	23,912			
Total Promotion Highway Safety		585,518		
REGISTRATION & LICENSING				
Salaries	293,051			
Office & Postage	6,155			
Miscellaneous	1,140			
Equipment	2,005			
Material & Supplies	79,219			
Professional Services	4,038			
Travel & Training	19,762			
Total Registration & Licensing		405,370		
RECORDS				
Salaries	154,731			
Total Records		154,731		
SUMMERSIDE				
Salaries	154,541			

Travel & Training	2,938			
Total Summerside		157,479		
HIGHWAY SCALES				
Salaries	435,479			
Office & Postage	1,042			
Tel & Tel	10,375			
Miscellaneous	1,456			
Equipment	34,390			
Material & Supplies	15,862			
Professional Services	6,825			
Travel & Training	30,271			
Total Highway Scales		535,700		
TOTAL DEPARTMENTAL MANAGEMENT			3,462,461	
HIGHWAY MAINTENANCE				
DIRECTOR'S OFFICE				
Salaries	217,588			
Office & Postage	207			
Tel & Tel	5,806			
Miscellaneous	3,157			
Equipment	17,654			
Material & Supplies	13,438			
Professional Services	100,267			
Travel & Training	30,784			
Grants	80,562			
Total Director's Office		469,463		
WESTERN REGION ADMINISTRATION				

Salaries	306,196			
Office & Postage	5,013			
Tel & Tel	24,116			
Miscellaneous	1,368			
Equipment	6,628			
Material & Supplies	2,254			
Travel & Training	59,434			
Total Western Region Administration		405,009		
CENTRAL REGION ADMINISTRATION				
Salaries	323,226			
Office & Postage	13,021			
Tel & Tel	19,572			
Miscellaneous	1,126			
Equipment	6,993			
Professional Services	35			
Material & Supplies	409			
Travel & Training	66,173			
Total Central Region Administration		430,555		
EASTERN REGION ADMINISTRATION				
Salaries	418,815			
Office & Postage	2,984			
Tel & Tel	37,138			
Miscellaneous	452			
Equipment	14,598			
Material & Supplies	823			
Travel & Training	86,712			
Total Eastern Region Administration		561,522		

HIGHWAY MAINTENANCE - ZONE				
OPERATIONS				
WESTERN REGION				
Salaries	2,122,813			
Tel & Tel	1,372			
Material & Supplies	180			
Travel & Training	65,755			
Total Western Region Zone Operations		2,190,120		
CENTRAL REGION				
Salaries	3,087,492			
Tel & Tel	1,970			
Equipment	3,042			
Material & Supplies	989			
Travel & Training	86,755			
Total Central Region Zone Operations		3,180,248		
EASTERN REGION				
Salaries	2,173,692			
Tel & Tel	2,185			
Material & Supplies	90			
Travel & Training	37,345			
Total Eastern Region Zone Operations		2,213,312		
SUMMER MAINTENANCE				
WESTERN REGION				
Administration	1,720			

Equipment	1,527			
Material & Supplies	1,478,381			
Professional Services	113,437			
Travel & Training	12,340			
Total Western Region		1,607,405		
CENTRAL REGION				
Administration	841			
Equipment	4,438			
Material & Supplies	2,093,711			
Professional Services	213,227			
Travel & Training	10,053			
Total Central Region		2,322,270		
EASTERN REGION				
Administration	1,505			
Equipment	774			
Material & Supplies	1,491,011			
Professional Services	56,779			
Wages	1,866			
Travel & Training	14,880			
Total Eastern Region		1,566,815		
RAILS TO TRAILS				
Material & Supplies	2,541			
Total Rails to Trails		2,541		
WINTER MAINTENANCE				

WESTERN REGION				
Salaries	414,701			
Equipment	31			
Material & Supplies	1,008,211			
Professional Services	2,363,921			
Travel & Training	19			
Total Western Region		3,786,883		
CENTRAL REGION				
Salaries	642,210			
Material & Supplies	1,524,173			
Professional Services	1,960,028			
Travel & Training	483			
Total Central Region		4,126,894		
EASTERN REGION				
Salaries	278,893			
Administration	56			
Material & Supplies	832,100			
Professional Services	966,877			
Travel & Training	1,904			
Total Eastern Region		2,079,830		
MECHANICAL BRANCH - GOV'T GARAGE				
Salaries	6,115,129			
Equipment	100,080			
Material & Supplies	3,266,436			
Professional Services	93,266			
Travel & Training	98,516			

Tel, Radio & Taxes Admin	192,777			
Total Mechanical Branch - Gov't Garage		9,866,204		
BRIDGE MAINTENANCE				
Salaries	441,195			
Administration	1,491			
Material & Supplies	139,995			
Professional Services	68,389			
Travel & Training	5,985			
Total Bridge Maintenance		657,055		
HILLSBOROUGH BRIDGE				
Professional Services	1,199,931			
Total Hillsborough Bridge		1,199,931		
TOTAL HIGHWAY MAINTENANCE			36,666,057	
PUBLIC WORKS OPERATIONS				
DIRECTOR'S OFFICE				
Salaries	75,366			
Office & Postage	370			
Tel & Tel	1,048			
Professional Services	19,869			
Travel & Training	271			
Total Director's Office		96,924		
PUBLIC WORKS ADMINISTRATION				

Salaries	510,581			
Office & Postage	1,091			
Tel & Tel	22,361			
Miscellaneous	501			
Equipment	58,008			
Material & Supplies	104,008			
Professional Services	134,013			
Travel & Training	37,402			
Total Public Works Administration		867,965		
MAINTENANCE OF BUILDINGS				
Dr. Eric Found Health Centre	117,900			
Shaw & Sullivan Bldgs	1,806,334			
Jones Bldg	513,387			
Province House	184,020			
Province House Annex	53,920			
Government House	347,778			
Customs House	33,425			
Portable Classrooms	9,816			
Coles Bldg	166,171			
Prince County Jail & Courthouse	94,598			
Summerside Youth Centre	238,976			
Provincial Correctional Centre	244,674			
Montague Office Complex	64,189			
Southern Kings/Queens Reg. Ser. Centre	71,500			
West Prince Reg. Ser. Centre	85,055			
French Museum	22,093			
Kings County Courthouse	50,713			
Wood Islands VIC	22,252			
Scale House	39,734			
Forestry Depot - Central Region	21,726			
Belmont St. Warehouse	35,199			
Kings Bi-Way VIC	47,486			
Cavendish VIC	36,600			

Bunbury Nursery	1,363			
Vet Clinic O'Leary	21,376			
Southern Kings Highway Depot-B'town	4,562			
Alberton Courthouse	28,151			
Forestry Depot - Western Region	17,518			
Forestry Depot - Eastern Region	27,215			
Lady Slipper VIC	30,499			
Brackley VIC	13,995			
Basin Head Museum - Elmira	49,879			
Orwell Corner Museum	3,242			
The Ark	88			
Portage VIC	9,730			
Tyne Valley Youth Centre	29,841			
Georgetown Youth Centre	50,640			
Green Park Historic Site	1,781			
Potato Service Bldg. - Kensington	23,300			
Sign Shop - Tignish	13,884			
Highway Material Testing Lab	50,318			
Brighton Rd Office Complex	703			
Total Maintenance of Buildings		4,685,631		
DISTRICT HEATING				
Material & Supplies	68,751			
Professional Services	2,080,059			
Total District Heating		2,148,810		
RENT OR LEASED PREMISES				
VIC Airport	15,250			
Provincial Records Centre	25,273			
O'Leary Dental Clinic	3,066			
Albany Warehouse-Lafarge Canada	3,333			
Harbour Quay-S'side	21,926			

Upton Road	24,975			
Cavendish Cottage	7,959			
Kensington Community Centre	1,461			
Tignish Health Co-op	6,266			
Farm Centre	30,673			
Firearms Office-Maypoint Plaza	31,170			
Potato Disinfectant Stn-Borden/Carleton	33,333			
BDC Bldg	4,353			
Royalty Mall	1,253			
Evangeline Reg. Ser. Centre	45,803			
Johnny Ross Young Reg. Ser. Centre	215,112			
Research Station	328,931			
Queens Region Health Authority-Ellis Bros	410,541			
Health Agency-Younker, Roche Bldg	349,116			
Media Centre-Basilica Rec. Centre	54,560			
Provincial Library Morell	170,016			
St. Paul's Rectory	44,523			
Holland College	58,091			
Albert Thomas Bldg	81,756			
Sherwood Fire Hall	128,876			
Concorde Bldg	109,253			
Davies Law Courts	5,892,097			
Highway Safety Office	151,771			
Stonehouse VIC	65,993			
Cambridge Bldg	176,905			
Fisheries Warehouse	45,994			
Georgetown Office	44,803			
Kelly Bldg Courthouse	1,714,399			
Access PEI - S'side	420,558			
Queen's County Sheriff's Office	23,899			
Technology PEI	46,563			
Smallman Bldg	78,746			
Total Rent or Leased Premises		10,868,597		
PROPERTIES & SURVEYS				

Salaries	669,077			
Material & Supplies	33,222			
Prop. Taxes of Prov-Owned Property	73,739			
Control Survey Network Maint, Legal Fees and Contract Services	61,339			
Equipment	11,400			
Tel & Tel	15,085			
Office & Postage	3,147			
Miscellaneous	2,650			
Crown Land	39,481			
Travel & Training	32,969			
Total Properties & Surveys		942,109		
TOTAL PUBLIC WORKS OPERATIONS			19,610,036	
TRAFFIC OPERATIONS				
WESTERN REGION				
Salaries	277,026			
Office & Postage	102			
Tel & Tel	846			
Equipment	623			
Material & Supplies	206,556			
Professional Services	7,829			
Travel & Training	12,854			
Total Western Region		505,836		
CENTRAL REGION				
Salaries	363,879			
Office & Postage	325			
Tel & Tel	4,975			

Equipment	7,557		
Material & Supplies	688,529		
Professional Services	12,726		
Travel & Training	29,414		
Total Central Region		1,107,405	
EASTERN REGION			
Salaries	219,523		
Tel & Tel	5,284		
Equipment	7,876		
Material & Supplies	185,006		
Professional Services	8,536		
Travel & Training	11,928		
Total Eastern Region		438,153	
SIGN SHOP			
Salaries	119,695		
Tel & Tel	872		
Equipment	2,444		
Material & Supplies	143,291		
Professional Services	3,941		
Travel & Training	571		
Total Sign Shop		270,814	
TOTAL TRAFFIC OPERATIONS			2,322,208
ENGINEERING SERVICES			
OPERATIONS			
Salaries	233,166		

Office & Postage	4,731			
Tel & Tel	4,107			
Miscellaneous	781			
Equipment	7,936			
Material & Supplies	7,312			
Travel & Training	14,430			
Total Operations		272,463		
POLICY OFFICE				
Salaries	45,632			
Office & Postage	136			
Tel & Tel	1,574			
Miscellaneous	386			
Equipment	409			
Material & Supplies	164			
Professional Services	9,660			
Grants	19,802			
Travel & Training	5,807			
Total Policy Office		83,570		
SURVEYS				
Salaries	310,144			
Office & Postage	336			
Tel & Tel	5,271			
Equipment	9,285			
Material & Supplies	12,481			
Professional Services	3,230			
Travel & Training	17,217			
Total Surveys		357,964		

TOTAL ENGINEERING SERVICES			713,997	
CAPITAL PROJECTS OPERATIONS				
CHIEF ENGINEER'S OFFICE				
Salaries	273,952			
Office & Postage	2,259			
Tel & Tel	4,895			
Miscellaneous	15,122			
Equipment	5,660			
Material & Supplies	107,614			
Professional Services	108,547			
Travel & Training	16,642			
Total Chief Engineer's Office		534,691		
WESTERN REGION				
Salaries	855,874			
Office & Postage	1,449			
Tel & Tel	19,171			
Miscellaneous	229			
Equipment	76,538			
Material & Supplies	18,794			
Professional Services	1,534			
Travel & Training	56,736			
Total Western Region		1,030,325		
CENTRAL REGION				
Salaries	694,570			
Office & Postage	819			
Tel & Tel	20,680			

Miscellaneous	67			
Equipment	96,132			
Material & Supplies	26,086			
Professional Services	29,371			
Travel & Training	47,051			
Total Central Region		914,776		
EASTERN REGION				
Salaries	549,808			
Office & Postage	2,057			
Tel & Tel	15,646			
Miscellaneous	1,194			
Equipment	113,730			
Material & Supplies	50,928			
Professional Services	2,378			
Travel & Training	44,951			
Total Eastern Region		780,692		
BUILDING CONSTRUCTION				
Salaries	156,626			
Office & Postage	598			
Tel & Tel	2,506			
Equipment	363			
Material & Supplies	213			
Travel & Training	16,659			
Total Building Construction		176,965		
TOTAL CAPITAL PROJECTS			3,260,484	
PLANNING & DESIGN OPERATIONS				

PLANNING & DESIGN - ADMINISTRATION				
Salaries	29,745			
Office & Postage	156			
Tel & Tel	312			
Travel & Training	57			
Total Planning & Design - Administration		30,270		
HIGHWAY PLANNING				
Salaries	81,955			
Office & Postage	226			
Tel & Tel	2,059			
Miscellaneous	1,062			
Equipment	1,149			
Material & Supplies	29,634			
Professional Services	19,138			
Travel & Training	9,059			
Total Highway Planning		144,282		
PAVEMENT MANAGEMENT				
Salaries	103,968			
Office & Postage	100			
Tel & Tel	2,703			
Miscellaneous	237			
Equipment	303			
Material & Supplies	6,607			
Professional Services	42,940			
Travel & Training	7,732			
Total Pavement Management		164,590		
HIGHWAY DESIGN				

Salaries	216,714			
Office & Postage	1,520			
Tel & Tel	3,323			
Equipment	10,802			
Material & Supplies	12,012			
Professional Services	22,457			
Travel & Training	3,856			
Total Highway Design		270,684		
BUILDING DESIGN				
Salaries	129,759			
Office & Postage	845			
Tel & Tel	3,883			
Equipment	1,848			
Material & Supplies	316			
Professional Services	3,537			
Travel & Training	12,157			
Total Building Design		152,345		
TOTAL PLANNING & DESIGN OPERATIONS			762,171	
STRATEGIC PLANNING & DEVELOPMENT				
Salaries	141,996			
Office & Postage	2,504			
Tel & Tel	4,986			
Miscellaneous	352			
Equipment	5,439			
Material & Supplies	1,930			
Professional Services	155,823			
Travel & Training	6,015			

Total Strategic Planning & Development			319,045
MATERIALS TESTING LAB			
Salaries	976,649		
Office & Postage	2,880		
Tel & Tel	30,735		
Miscellaneous	489		
Equipment	30,615		
Material & Supplies	27,628		
Professional Services	6,715		
Travel & Training	103,268		
Total Materials Testing Lab			1,178,979
ENVIRONMENTAL MANAGEMENT			
Salaries	310,417		
Office & Postage	2,643		
Tel & Tel	7,169		
Miscellaneous	401		
Equipment	6,925		
Material & Supplies	1,914		
Professional Services	15,727		
Travel & Training	43,062		
Total Environmental Management			388,258
PROVINCIAL WASTE MANAGEMENT			
Salaries	113,939		
Office & Postage	168		
Tel & Tel	812		
Miscellaneous	911		
Equipment	3,453		
Material & Supplies	649,701		

Professional Services	2,001,160			
Travel & Training	7,893			
Grants	375,000			
Total Provincial Waste Management			3,153,037	
TOTAL DEPT OF TRANSP & PUBLIC				
WORKS ORDINARY ACCOUNT				72,013,698
CAPITAL EXPENDITURES				
Year Ending March 31, 2000				
CULVERTS C/A				
Western Region	408,704			
Central Region	504,796			
Eastern Region	189,071			
Total Culverts C/A		1,102,571		
BRIDGES C/A				
WESTERN REGION				
Darnley Bridge Approach	76,726			
Glenwood	34,144			
Foxley River Bridge	26,121			
Total Western Region		136,991		
CENTRAL REGION				
Clyde River Retaining Wall	22,347			
Emyvale	135,845			

Corran Ban Bridge	26,080			
French Village Bridge	21,548			
Victoria Causeway	13,345			
Total Central Region		219,165		
BRIDGES MISCELLANEOUS				
Bridges Miscellaneous	668,726			
Storm Damage	1,182,164			
Total Bridges Miscellaneous		1,850,890		
TOTAL BRIDGES C/A			2,207,046	
PROVINCIAL PAVING				
WESTERN REGION				
Ditching & Surfacing Dist 19	77,192			
Old Borden Scale House Site	16,896			
Ditching & Surfacing Dist 20	144,022			
Ditching & Surfacing Dist 23	94,849			
Ditching & Surfacing Dist 25	83,169			
Ditching & Surfacing Dist 26	112,968			
Asphalt Spreader Western Region	313,741			
Government Spreader Western Region	734,957			
Lennox Island	30,133			
Totai Western Region		1,607,927		
CENTRAL REGION				
Ditching & Surfacing Dist 6	59,136			
Ditching & Surfacing Dist 7	86,481			
Ditching & Surfacing Dist 8	141,036			

Ditching & Surfacing Dist 16	110,131			
Ditching & Surfacing Dist 18	85,947			
Old Lab Building Renovations	22,246			
Spreader Long Patch Crew Operations	1,285,123			
Centre Line Painting - Central Region	110,268			
Evergreen Trees Stockyard Central Region	16,850			
Leeboy Rental Central Region	144,638			
Crushing Asphaltic Concrete Central Region	48,390			
Total Central Region		2,110,246		
EASTERN REGION				
Ditching & Surfacing Dist 1	60,079			
St. Peters Culver Yard	4,475			
Ditching & Surfacing Dist 2	145,748			
Old Mt. Stewart Rd	10,090			
Ditching & Surfacing Dist 3	77,538			
Dundas Sandpile	40,176			
Sally's Beach Rd	26,234			
Main St. Montague Sidewalk	5,922			
Montague Waterfront Landscape	10,824			
Ditching & Surfacing Dist 4	42,869			
Community of St. Andrews	36,452			
Ditching & Surfacing Dist 5	47,270			
Maintenance Recap Eastern Region	629,204			
Leeboy Rental Eastern Region	242,000			
Total Eastern Region		1,378,881		
PROVINCIAL PAVING MISCELLANEOUS				
Supply Install Hoppers	118,800			
Seeding	(20,549)			
Road Weather Info System	69,976			

Total Provincial Paving Miscellaneous		168,227		
TOTAL PROVINCIAL PAVING			5,265,281	
HIGHWAY RECONSTRUCTION				
WESTERN REGION				
TCH Tryon Rte 1 Drainage Culvert	42,863			
Kinkora Rte 225 Asphalt Curb	975			
Kensington-Blueshank Rte 2	315,915			
Blueshank Rd Rte 107	133,855			
Augustine Cove Rd Rte 10	144,398			
SCI Rd - Borden	29,112			
Kelvin Grove Rte 109	35,127			
Ross' Corner - Island Tel	4,270			
Blueshank Rd Int. Rte 107 & 2	275,949			
Lower New Annan Rd Rte 180	248,855			
Town of Kensington - Grant	50,000			
Property Margate	90,000			
Kensington Int.	7,420			
Margate Corner Property	85,709			
Baltic Rd Rte 103	186,449			
Kensington Rte 6 - Milling	11,220			
Kensington Rte 6 - Seal	93,107			
Granville St. Int. - Signal Controls	111,397			
Lewis Rd	82,207			
MacDougall's Corner-Grand River Br.	211,256			
Harmony Line Rd Rte 128	195,867			
Miscouche Storm Sewer Int.	14,214			
Sunset Drive	105,175			
Mum's Rd Rte117	11,094			
O'Holloran Rd	279,397			
O'Leary Rd Rte 142	192,668			
Milo Rd Rte 14	141,574			
Kildare Rd	251,829			

Campbell's Sub-div Erskine St.	27,600			
Dock Rd - Elmsdale Rte 150	28,751			
Mill River East Int Rte 145 & 12	15,974			
Bloomfield Corner	47,375			
Phillip St - Tignish	222,799			
Ascension Rd	12,805			
Broderick Rd Rte 161	102,622			
Gunion Rd	57,299			
Total Western Region		3,867,127		
CENTRAL REGION				
Iris Rd Rte 202	267,522			
Murray Harbour Rd Rte 24	194,475			
Vernon River Bridge	1,083,525			
Iona Rd	66,616			
Zakem's Sub-division	7,331			
Stratford Rd Rte 1A	152,224			
Kinlock Rd Int Rte 1	310,940			
Zakem's Sub-division Stratford	42,650			
Ft. Augustus Rd Rte 21	452,521			
French Village Rd Rte 217	175,749			
Red Point Rd	76,304			
Tracadie Harbour Rd	97,305			
Donagh Rd	74,654			
Covehead Rd	72,935			
MacMillan Pt. Rd	57,285			
Bayshore Rd	88,349			
Riverside Drive	805,986			
Upton Rd	737,062			
By-Pass Structure Design	21,884			
Milton Int.	520,641			
Melody Lane Winsloe Rte 2	69,229			
Cumberland-South Shore Rte 19	107,635			
New Dominion Rte 19 & 19A	394,287			

South Shore Rd	72,967			
Long Creek Rd	219,605			
TCH-New Dominion-Clyde River	218,655			
Crapaud Shouldering	31,075			
Dock Rd Rte 13	239,057			
South Shore Arena - Crapaud	16,927			
Nodd Rd	66,306			
Kingston Rte 235 & 237 Purchase Bldg	63,500			
Cavendish Rd Rte 6	205,182			
Hunter River - Property	9,500			
Lantern Hill Sub-division - Rustico	8,850			
Shaw Hotel Rd	62,807			
French River Rd Rte 20	403,354			
Rennies Rd - Hunter River	53,232			
Irishtown Rd	97,077			
Mayfield Rte 13	295,584			
Total Central Region		7,940,787		
EASTERN REGION				
East Point Rte 16 Recap	114,201			
Souris Line Rd	23,188			
Lakeville Br	245,618			
Priest Pond Br	205			
Northside Rd-Priest Pond Rte 16	155,170			
Church St. - Storm Sewer	9,219			
Morell Rear Rd Rte 322	68,557			
Northside Rd-St. Margarets Rte 16	69,394			
Church Rd Rte 357	88,165			
Fortune Rte 310	77,347			
St. Peter's Bay Int. Rte 2 & 16	190,086			
Morell Bridge	12,770			
Woodville Mills Rd Rte 334	188,855			
Seven Mile Rd - Dundas	832,553			
Town of Georgetown Recap	22,709			

Cardigan Shore Rd	49,682			
Wood Islands Rd Rte 315	474,508			
Misener Property	160			
Bell's Hill	1,190,363			
Valleyfield Rd Rte 326	24,428			
Surgeon Rte 17	72,597			
Town of Montague	7,888			
Lower Montague Shore Protection	43,652			
Beach Pt. Rte 13	21,663			
Murray River Storm Sewer	648,508			
Caledonia Rte 315	310,670			
St. Mary's Rd Rte 318	70,874			
Panmure Island Erosion Control	188,142			
Total Eastern Region		5,201,172		
OTHER				
Liquid Asphalt	102,290			
Golf Links Crow Bush	2,213			
PEI Signage Nova Scotia & New Brunswick	4,000			
Mill River	24,000			
Land Purchases Ch'town By-Pass	1,293,825			
Misc. costs Eastern Region	106,909			
Kings County Misc.	25,000			
St. Peters Community Development	84,466			
Murray River Community Development	14,054			
Cardigan Community Development	4,598			
Wood Islands Community Development	8,501			
Supply & Install Survey Control Monuments	15,208			
Total Other		1,685,064		
TOTAL HIGHWAY RECONSTRUCTION			18,694,150	
ATLANTIC FREIGHT TRANSITION PGRM				

Montague-Bells Hill	27,149			
Cardigan Rd	26,510			
Rte 4 Bridgetown (seal)	51,198			
Cornwall Int. Rte 1A	410,282			
Wood Islands Rd Rte 315	63,230			
Poole's Corner Int	355,527			
TCH-Thompson Drive	28,602			
Western Rd Rte 2-Bloomfield	6,453			
Western Rd-Portage to West Devon	293,439			
Glen Stewart Dr. - Stratford	198,025			
Rte 315 Wood Islands Int	450,406			
St. Peters Rd Rte 2	439,403			
Albany Ramp	221,667			
Rte 2 between Miscouche & Allen Rd	241,205			
Charlottetown Perimeter Hwy Rte 2	1,347,106			
Seven Mile Bay Rd Rte 10	103,942			
East Newton Rd Rte 111	218,759			
Rte 14 Milo - Glenwood	150,335			
Beach Pt. Rte 18	92,373			
Souris Line Rd	169,999			
TCH Rte 1 Eldon - Mt. Buchanan	203,233			
TOTAL ATLANTIC FREIGHT				
TRANSITION PGRM			5,098,843	
PARKING LOT ASSISTANCE	16,966			
CAPITAL GARAGE EQUIPMENT	635,660			
BRIDGES & ROADS UNDER LEASE	86,812			
TOTAL HIGHWAY CAPITAL				33,107,329
CAPITAL BUILDING BRANCH				
Borden Scale House	10,215			

Southern Kings Reg. Serv. Centre	244,411			
Government House Renovations	28,679			
Brighten Rd Office Complex Renovations	1,005,485			
Bridgetown Highway Depot	39,907			
Province House Annex Renovations	214,815			
Highway Material Testing Lab	16,218			
O'Leary Community Hospital	31,870			
Provincial Addiction Facility	2,882,245			
Land Purchases	620,539			
Health Care Buildings	993,623			
PAB Parking Lot	44,040			
Brudenell Waste Treatment	5,200,989			
Sleepy Hollow Correctional Centre	38,869			
Dump Site Decommissioning	273,582			
DVS Revenue System	53,901			
Prov Parks Sewage Treatment Facilities	99,786			
Prov Parks Services Site Program	49,705			
Brookvale Provincial Ski Park	51,083			
Technology PEI - Workstations	73,622			
East Prince Waste Management Facility	244,090			
Athena Sports Field	53,000			
Sally's Beach	167,677			
West Prince RSC Construction	44,953			
TOTAL CAPITAL BUILDING BRANCH			12,483,304	
TOTAL CAPITAL EXPENDITURES				
DEPT. OF TRANSPORTATION & PW				45,590,633
TOTAL EXPENDITURES				
DEPT OF TRANSPORTATION & PW				117,604,331